

TSD File Inventory Index

Date: December 15, 2000

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Comments: _____

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

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To <i>John R. L. H.</i>	From <i>Art Harris</i>
Dept. Agency <i>312 886-5114</i>	Phone # <i>216 822-3711</i>
Fax # <i>312 886-0747</i>	Fax #

NGN 7540-01-317-7388

5098-101

GENERAL SERVICES ADMINISTRATION

FILED
93 DEC 23 AM 11:47
U.S. DISTRICT COURT
NORTHERN DISTRICT OF OHIO
CLEVELAND

IN THE UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF OHIO
EASTERN DIVISION

UNITED STATES OF AMERICA

Plaintiff,

v.

LTV STEEL COMPANY, INC.

Defendant.

1:98 CV 3012

Civil Action No.

JUDGE O'MALLEY**JOHN J. REBELMAN**COMPLAINT

The United States of America, by the authority of the Attorney General and through its undersigned attorneys, acting at the request of and on behalf of the Administrator of the United States Environmental Protection Agency ("USEPA"), alleges as follows:

I. NATURE OF ACTION

1. This is a civil action against LTV Steel Company ("LTV") to obtain injunctive relief and assessment of civil penalties for multiple violations of the Clean Air Act ("CAA"), 42 U.S.C. §§ 7401 *et seq.*, at LTV's steel manufacturing facility in Cleveland, Ohio. The complaint also alleges violations of the Clean Water Act ("CWA"), 33 U.S. §§ 1311 *et seq.*, and the Resource Conservation and Recovery Act ("RCRA"), 42 U.S.C.

§§ 6901 et seq., at LTV's coke manufacturing facility in Warren, Ohio.

II. JURISDICTION AND VENUE

2. This Court has jurisdiction over the defendant and the subject matter of this action pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b), Section 309(b) and (d) of the CWA, 33 U.S.C. § 1319(b) and (d), Section 3008(a)(1) of RCRA, 42 U.S.C. § 6928(a)(1), and 28 U.S.C. §§ 1331, 1345 and 1355.

3. Venue is proper in this district pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b), Section 309(b) of the CWA, 33 U.S.C. § 1319(b), Section 3008(a)(1) of RCRA, 42 U.S.C. § 6928(a)(1), and 28 U.S.C. §§ 1391 and 1395, because LTV is located in and is doing business in this district and the violations alleged occurred in this district.

III. NOTICE

4. Pursuant to Section 113(a) of the CAA, 42 U.S.C. § 7413(a), LTV and the State of Ohio were notified of the violations of the Ohio State Implementation Plan alleged in this complaint more than 30 days prior to its filing.

5. Pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b), Section 309(b) of the CWA, 33 U.S.C. § 1319(b), and Section 3008(a)(2) of RCRA, 42 U.S.C. § 6928(a)(2), notice of the commencement of this action has been given to the Ohio Environmental Protection Agency ("OEPA").

IV. DEFENDANT

6. LTV is a New Jersey corporation which is qualified to do business in Ohio and maintains corporate offices in Cleveland. LTV operates two steel manufacturing facilities -- the Cleveland Works and the Indiana Harbor Works in East Chicago,

Indiana -- a tin mill in Aliquippa, Pennsylvania, a finishing plant in Hennepin, Illinois, and coke production and by-product recovery facilities in Warren, Ohio and Chicago. This complaint alleges CAA violations at LTV's steel manufacturing facility in Cleveland (the "Cleveland Works"), which is located at 3100 East 45th Street in Cleveland, Cuyahoga County, Ohio, and CWA and RCRA violations at its coke manufacturing facility located at 2234 Main Avenue, S.W., in Warren, Trumbull County, Ohio.

7. LTV is a "person" within the meaning of Section 302(e) of the CAA, 42 U.S.C. § 7602(e), Section 502(5) of the CWA, 33 U.S.C. § 1362(5), and Section 1004(15) of RCRA, 42 U.S.C. § 6901(15).

V. STATUTORY AND REGULATORY FRAMEWORK

A. The Clean Air Act

8. The Clean Air Act establishes a regulatory scheme designed to protect and enhance the quality of the nation's air so as to promote the public health and welfare and the productive capacity of its population. Section 101(b) (1) of the CAA, 42 U.S.C. § 7401(b) (1).

9. Section 108(a) of the CAA, 42 U.S.C. § 7408(a), requires USEPA to establish a list of pollutants which cause or contribute significantly to air pollution which may reasonably be anticipated to endanger public health or welfare and which are emitted from various mobile or stationary sources.

10. Section 109(a) of the CAA, 42 U.S.C. § 7409(a), requires USEPA to publish and maintain National Ambient Air Quality Standards ("NAAQS") for certain air pollutants. The

NAAQS promulgated by USEPA pursuant to this provision are set forth in 40 C.F.R. Part 50.

11. Particulate matter ("PM") and sulfur dioxide ("SO₂"), among others, are "air pollutants" within the meaning of Sections 108 and 302 of the CAA, 42 U.S.C. §§ 7408 and 7602.

12. Pursuant to Section 109(a) and (b) of the CAA, 42 U.S.C. § 7409(a) and (b), USEPA has promulgated regulations establishing NAAQS for PM and SO₂, which are codified at 40 C.F.R. §§ 50.4 through 50.6.

13. Section 110 of the CAA, 42 U.S.C. § 7410, requires each State to adopt, and submit to USEPA for approval, a State Implementation Plan ("SIP") which provides for implementation, maintenance and enforcement of NAAQS established under Section 109 of the Act within the State.

14. Pursuant to Section 110 of the CAA, 42 U.S.C. § 7410, the State of Ohio has adopted and submitted to USEPA various regulations which have been approved by USEPA and which, taken together, constitute the SIP for the State. See 40 C.F.R. Part 52, Subpart KK.

15. The Administrator of USEPA approved Ohio Pollution Control Board ("OPCB") Rule AP-3-07(A) as part of the Ohio SIP, effective April 15, 1974. 39 Fed. Reg. 13539 (April 15, 1974). OPCB Rule AP-3-07(A) required that visible emissions from any source not exceed 20 percent opacity except for up to a three-minute period in any 60 minute time period, provided that emissions during such period not exceed 60 percent opacity.

16. The Administrator of USEPA approved Ohio Administrative Code ("OAC") Rule 3745-17-07 as part of the SIP for the State of Ohio, effective June 27, 1994. 59 Fed. Reg. 27464 (May

27, 1994). OAC Rule 3745-17-07(A), which replaced and superseded OPCB Rule AP-3-07, requires that visible emissions from any stack not exceed 20 percent opacity on a six minute average basis, except that emissions may exceed this limit for not more than six consecutive minutes in any 60 minute period, provided that the source shall not exceed 60 percent opacity at any time.

17. OAC Rule 3745-17-07(B) (3) requires that visible emissions of fugitive dust from blast furnace cast houses shall not exceed 20 percent opacity as a six minute average.

18. The Administrator of USEPA approved OAC Rule 3745-31-02 as part of the Ohio SIP, effective October 23, 1980. 45 Fed. Reg. 72119 (Oct. 31, 1980). OAC Rule 3745-31-02 prohibits the installation or modification of an air contaminant source without first obtaining a permit to install from OEPA. OAC Rule 3745-31-05(C), which was conditionally approved by USEPA on October 31, 1980 as part of the Ohio SIP, authorizes the Director of OEPA to include special terms and conditions in such permits.

19. Pursuant to Section 113(a) and (b) of the CAA, 42 U.S.C. § 7413(a) and (b), SIP requirements that have been approved by USEPA are federally enforceable.

20. The Administrator of USEPA has not approved SIP provisions dealing with emission limits for SO₂ in certain counties in Ohio. The Administrator has promulgated a federal SO₂ limit for sources located in Cuyahoga County, Ohio, among other places. The federal implementation plan limit for SO₂ for LTV's facility in Cuyahoga County is codified at 40 C.F.R. § 52.1881(b) (15) (xi).

21. Section 113(b) of the CAA, 42 U.S.C. § 7413(b), authorizes the United States to commence a civil action for

injunctive relief and assessment of civil penalties whenever a person has violated or is in violation of any requirement or prohibition in the CAA or in any implementation plan (State or federal) or permit. Pursuant to Section 113(b), persons who violate the CAA or the applicable implementation plan or permit are subject to civil penalties of up to \$25,000 per day for each violation occurring prior to January 31, 1997. Pursuant to Pub. L. 104-134 and 61 Fed. Reg. 69364 (Dec. 31, 1996), civil penalties of up to \$27,500 per day may be assessed for each violation occurring on or after January 31, 1997.

B. The Clean Water Act

22. The objective of the Clean Water Act is to restore and maintain the chemical, physical and biological integrity of the waters of the United States. Section 101(a) of the CWA, 33 U.S.C. § 1251(a).

23. Section 301(a) of the CWA, 33 U.S.C. § 1311(a), prohibits the discharge of pollutants from a point source into navigable waters of the United States by any person except, among other things, in compliance with the terms and conditions of a National Pollutant Discharge Elimination System ("NPDES") permit issued by USEPA or an authorized State pursuant to Section 402 of the CWA, 33 U.S.C. § 1342.

24. Section 502(6) of the CWA, 33 U.S.C. § 1362(6), defines "pollutant" to mean "dredged soil, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt and industrial, municipal, and agricultural waste discharged into water."

25. Section 502(14) of the CWA, 33 U.S.C. § 1362(14) defines "point source" as "any discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft, from which pollutants are or may be discharged."

26. Pursuant to Section 402 of the CWA, 33 U.S.C. § 1342, the State of Ohio is authorized by the Administrator of USEPA to administer the NPDES permit program for discharges into navigable waters within its jurisdiction. The OEPA received authorization to administer the NPDES permit program in the State effective January 1, 1975.

27. Pursuant to Section 309(b) and (d) of the CWA, 33 U.S.C. § 1319(b) and (d), the United States may commence a civil action for injunctive relief and assessment of civil penalties not to exceed \$25,000 per day for each violation of Sections 301 and 308 of the CWA occurring prior to January 31, 1997, including discharges of pollutants without or not in compliance with the terms and conditions of an applicable NPDES permit. Pursuant to Pub. L. 104-134 and 61 Fed. Reg. 69364 (Dec. 31, 1996), civil penalties of up to \$27,500 per day for each violation may be assessed for violations occurring on or after January 31, 1997.

C. The Resource Conservation and Recovery Act

28. The Resource Conservation and Recovery Act establishes a comprehensive scheme for management of hazardous wastes, from the initial generation of such wastes until their final disposal. Regulations promulgated pursuant to RCRA apply

to generators of hazardous waste, as well as to owners and operators of facilities that treat, store or dispose of hazardous waste ("TSD" facilities). The federal regulations implementing RCRA are codified at 40 C.F.R. Part 260 et seq.

29. Under Section 3006(b) of RCRA, 42 U.S.C. § 6926(b), and 40 C.F.R. Part 271, a State may apply for and receive authorization to enforce its own hazardous waste management programs in place of the federal program, provided the State requirements are consistent with and equivalent to the federal program. To the extent that certain State programs are authorized by the Administrator pursuant to RCRA Section 3006(b), the State RCRA program is effective in lieu of the federal program.

30. USEPA has authorized Ohio to administer various aspects of the hazardous waste management program within the State. The State regulations implementing Ohio's authorized RCRA program are codified in various parts of Chapter 3745 of the Ohio Revised Code ("ORC").

31. ORC Rule 3745-52-34(A) allows generators of hazardous waste to store such waste for less than 90 days without a TSD permit, provided that the waste is placed in a container or tank and the generator complies with other requirements, including but not limited to provisions in OAC Rules 3745-66-70 through 3745-66-77, which apply to containers, or OAC Rules 3745-66-90 through 3745-66-992, which apply to tanks.

32. OAC Rule 3745-52-34(b) provides that a generator who accumulates hazardous waste for more than 90 days is an operator of a storage facility subject to TSD facility requirements.

33. Pursuant to Section 3008(a)(2) of RCRA, 42 U.S.C. § 6928(a)(2), the United States, upon notification to the State, is authorized to enforce the regulations which comprise the federally authorized Ohio RCRA program.

34. Section 3008(a) of RCRA, 42 U.S.C. § 6928(a), provides that the Administrator of USEPA may commence a civil action in district court for appropriate relief, including injunctive relief, when any person has violated or is in violation of any requirement of RCRA, including provisions of a federally authorized State program.

35. Section 3008(g) of RCRA, 42 U.S.C. § 6928(g), provides that any person who violates a requirement of RCRA, including provisions of a federally authorized State program, shall be liable for a civil penalty of up to \$25,000 per day for each violation occurring before January 31, 1997. Pursuant to Pub. L. 104-134 and 61 Fed. Reg. 69364 (Dec. 31, 1996), civil penalties of up to \$27,500 per day may be assessed for violations occurring on or after January 31, 1997.

VI. GENERAL ALLEGATIONS

36. LTV's Cleveland Works facility contains, among other emission sources, the C-1 blast furnace, the C-5 blast furnace, the C-6 blast furnace, the No. 1 basic oxygen furnace ("BOF") and boiler 34.

37. LTV's Cleveland Works facility is or was subject to the Ohio SIP provisions governing emissions from stationary sources, including, without limitation, Ohio Pollution Control Board ("OPCB") Rule AP-3-07 and OAC Rules 3745-17-07(A)(1) and (B)(1) and (3).

38. On January 24, 1991, OEPA issued a permit to

install ("PTI") to LTV for modification of the C-5 blast furnace at the Cleveland Works facility. This PTI includes a 15 percent opacity limit for cast house emissions, with the exception of the tap hole drilling or plugging operation or the oxygen lancing operation, for which there is a 20 percent opacity limit.

39. LTV's Cleveland Works facility is subject to the federal emission limits for SO₂ in 40 C.F.R. § 52.1881(b) (15)(xi)(A). This provision limits Boiler 34 and the C-1 blast furnace stove at the Cleveland Works facility to a maximum of 0.024 pounds of sulfur dioxide for each million British Thermal Unit ("mmBTU") of actual heat input.

40. LTV's Warren, Ohio coke manufacturing facility is authorized to discharge pollutants through, among others, outfall 14, to the Mahoning River pursuant to NPDES Permit No. OH0011274, which was issued by OEPA on September 27, 1996 with a November 1, 1996 effective date (the "1996 Permit"). A copy of this Permit is attached hereto as Exhibit B and is part of this complaint.

LTV's previous NPDES permit for the Warren facility was issued on April 30, 1990 (the "1990 Permit") and remained in effect until the effective date of the 1996 Permit.

41. The Mahoning River is a "navigable water" as that term is defined in Section 502(7) of the CWA, 33 U.S.C. § 1362(7).

FIRST CLAIM FOR RELIEF

Cleveland Works: Opacity Violations at the C-5 Blast Furnace

42. The allegations in paragraphs 1 through 41 are restated here by reference.

43. On various occasions from at least September

through October 6, 1995, LTV caused or allowed emissions of particulate matter with an opacity greater than 20 percent, as a six-minute average, to be released into the atmosphere from the C-5 blast furnace (top) at its Cleveland Works facility, in violation of Ohio SIP Rule 3745-17-07(B) (1).

44. On various occasions from at least June 28, 1993 to the present time, LTV caused or allowed emissions of particulate matter with an opacity greater than 15 percent to be released into the atmosphere from the C-5 blast furnace cast house during six minute periods that did not include the tap hole drilling, plugging or oxygen lancing operations. During the same time period, it also caused or allowed emissions of particulate matter with an opacity greater than 20 percent to be released into the atmosphere from the C-5 blast furnace cast house during six minute periods that included the tap hole drilling or plugging or oxygen lancing operations, all in violation of the opacity limits in its January 24, 1991 OEPA PTI.

45. Unless restrained by an Order of the Court, LTV may continue to violate such SIP requirements.

46. Pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b), Pub. L. 104-34 and 61 Fed. Reg. 69364 (Dec, 31, 1996), LTV Steel is subject to injunctive relief and civil penalties not to exceed \$25,000 for each day prior to January 31, 1997 on which it failed to comply with applicable Ohio SIP and PTI requirements and up to \$27,500 per day for violations occurring on or after January 31, 1997.

SECOND CLAIM FOR RELIEFCleveland Works: Opacity Violations at the
C-6 Blast Furnace Cast House

47. The allegations in paragraphs 1 through 41 are restated here by reference.

48. On various occasions in March 1996, LTV caused or allowed emissions of particulate matter with an opacity greater than 20 per cent to be released into the atmosphere from the C-6 blast furnace cast house at its Cleveland Works facility, in violation of Ohio SIP Rule 3745-17-07(B) (3).

49. Pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b), Pub. L. 104-34 and 61 Fed. Reg. 69364 (Dec. 31, 1996), LTV is subject to civil penalties not to exceed \$25,000 for each day on which it failed to comply with applicable Ohio SIP requirements.

THIRD CLAIM FOR RELIEFCleveland Works: Opacity Violations at the
No. 1 BOF Shop

50. The allegations in paragraphs 1 through 41 are restated here by reference.

51. On various occasions from at least June 28, 1993 through the present time, LTV caused or allowed the emission of particulate matter with an opacity greater than 20 percent, based on six minute averages, to be released into the atmosphere from the No. 1 BOF shop at its Cleveland Works facility, in violation of OPCB Rule AP-3-07(A) before June 27, 1994, and OAC 3745-17-07(A) (1) after June 27, 1994. These calculations take into account the three minute exceptions and six minute exceptions in each 60 minute time period provided for in the regulations before and after June 27, 1994, respectively.

52. Unless restrained by an Order of the Court, LTV may continue to violate such SIP requirements.

53. Pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b), Pub. L. 104-34 and 61 Fed. Reg. 69364 (Dec. 31, 1996), LTV is subject to injunctive relief and civil penalties not to exceed \$25,000 for each day prior to January 31, 1997 on which it failed to comply with applicable Ohio SIP requirements and up to \$27,500 per day for violations occurring on or after January 31, 1997.

FOURTH CLAIM FOR RELIEF

Cleveland Works: Violation of SO₂ Limits at
C-1 Blast Furnace Stove

54. The allegations in paragraphs 1 through 41 are restated here by reference.

55. In each calendar quarter from January 1994 through the present time, emissions from the C-1 blast furnace stove at LTV's Cleveland Works exceeded the applicable SO₂ limit (0.024 lbs./mmBTU) in the federal regulation at 40 C.F.R. § 52.1881(b) (15)(xi)(A).

56. Unless restrained by an Order of the Court, LTV may continue to violate the federal SO₂ limit.

57. Pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b), Pub. L. 104-134 and 61 Fed. Reg. 69364 (Dec. 31, 1996), LTV is subject to injunctive relief and civil penalties not to exceed \$25,000 for each day of violation occurring before January 31, 1997 and up to \$27,500 a day for each of the violations occurring on or after January 31, 1997.

FIFTH CLAIM FOR RELIEFCleveland Works: Violation of SO₂ Limits at Boiler 34

58. The allegations in paragraphs 1 through 41 are restated here by reference.

59. In all calendar quarters in 1994 and during the first three calendar quarters in 1995, LTV's Boiler 34 at its Cleveland Works exceeded the .024 lbs./mmBTU emission limit for SO₂ in the federal regulations at 40 C.F.R. § 52.1881(b) (15) (xi) (A).

60. Unless restrained by an Order of the Court, LTV may continue to violate the federal SO₂ limit.

61. Pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b), and 61 Fed. Reg. 69364 (Dec. 31, 1996), LTV is subject to injunctive relief and civil penalties not to exceed \$25,000 for each day of violation prior to January 31, 1997 and up to \$27,500 per day for each of the violations occurring on or after January 31, 1997.

SIXTH CLAIM FOR RELIEFWarren Facility: Discharge of PollutantsNot Authorized by NPDES Permit

62. The allegations in paragraphs 1 through 41 are restated by reference.

63. On various occasions from at least January 1994 to at least April 1996, LTV's Warren facility discharged pollutants from outfall 014 to the Mahoning River without authorization by USEPA or OEPA pursuant to an NPDES permit.

64. Pursuant to Sections 309(b) and (d) of the CWA, 33 U.S.C. § 1319(b) and (d), LTV is subject to civil penalties not

to exceed \$25,000 for each day of violation alleged in the preceding paragraph.

SEVENTH CLAIM FOR RELIEF

Warren Facility: NPDES Permit Violations

65. The allegations in paragraphs 1 through 41 are re-stated here by reference.

66. On various occasions since at least January 1994 to at least January 1997, LTV's Warren facility has discharged pollutants from outfall 014 to the Mahoning River in violation of the effluent limits in the 1996 NPDES Permit issued by OEPA.

67. Pursuant to Sections 309(b) and (d) of the CWA, 33 U.S.C. § 1319(b) and (d), LTV is subject to civil penalties not to exceed \$25,000 for each day of violation alleged in the preceding paragraph.

EIGHTH CLAIM FOR RELIEF

Warren Facility: Improper Storage of Hazardous Waste

68. The allegations in paragraphs 1 through 41 are restated here by reference.

69. On various occasions in February 1997, USEPA inspectors observed an uncontained and uncovered pile of hazardous waste at LTV's Warren facility, in violation of the RCRA storage requirements in OAC Rule 3745-52-34.

70. Pursuant to Section 3008(a) and (g) of RCRA, 42 U.S.C. § 6928(a) and (g), and Pub. L. 104-134 and 61 Fed. Reg. 59364 (Dec. 31, 1996), LTV is subject to civil penalties not to exceed \$27,500 per day for each day of violation alleged in the preceding paragraph.

PRAYER FOR RELIEF

WHEREFORE, plaintiff United States respectfully requests that this Court:

1. Permanently enjoin LTV from further violations of the Clean Air Act and the Clean Water Act;
2. Assess civil penalties against LTV not to exceed \$25,000 per day for each violation of the Clean Air Act, the Clean Water Act and the Resource Conservation and Recovery Act occurring prior to January 31, 1997 and \$27,500 per day for each violation occurring on or after January 31, 1997;
3. Grant such other and further relief as the Court may deem appropriate.

Respectfully submitted,

Dated: 12/7/91

2 / 1 / 91
LOIS J. SCHIFFER
Assistant Attorney General
Environment and Natural Resources
Division
U.S. Department of Justice

Miriam L. Chesslin
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Northern District of Ohio

At 2/4/11
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Assistant U.S. Attorney
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600 Superior Avenue
Cleveland, Ohio 44114-2600
(216) 622-3711

OF COUNSEL:

John Tielsch
Peter Felitti
Associate Regional Counsel
U.S. Environmental Protection Agency
Region V



LTV Steel Company, Inc.

LAW DEPARTMENT

OHIO 004218673

June 27, 1997

RECEIVED
JUN 30 1997

VIA OVERNIGHT MAIL

Robert Dean Smith
Enforcement and Compliance Assurance Branch (DRE-8J)
U.S. Environmental Protection Agency
77 West Jackson Blvd.
Chicago, Illinois 60604


DIVISION FRONT OFFICE
Waste, Pesticides & Toxics Division
U.S. EPA - REGION 5

Re: LTV Steel Company, Inc. - Cleveland Works
Request for Information Concerning Use of Used Oil

Dear Mr. Smith:

Attached is another copy of the information sent to you on May 29, 1997 in response to the above request.

Very truly yours,


Dale E. Papajcik
Senior Attorney

enclosures
DEP/CMF



LTV Steel Company

RECEIVED

JUN 03 1997



LAW DEPT.

U.S. Environmental Protection Agency
Enforcement and Compliance Assurance Branch (DRE-8J)
77 West Jackson Blvd.
Chicago, Illinois 60604

May 29, 1997

Attention: Mr. Robert Dean Smith

Dear Mr. Smith:

Subject: LTV STEEL COMPANY, INC. - CLEVELAND WORKS
INFORMATION REQUEST - APRIL 17, 1997
SECTION 3007 RCRA AND SECTION 104(e) CERCLA
U.S. EPA ID NO. OHD 004218673 AND OHD 046203774

This letter is in response to the information request of April 17, 1997, requesting certain information regarding LTV Steel's burning of used oil. Per conversation on May 1, 1997, between Dale Papajcik of LTV Steel and John H. Tielsch of U.S. EPA, the information requested is focused on the burning of used oil issues only. Additionally, Mr. Tielsch agreed to extend submittal of this information to the week of May 26, 1997.

U.S. EPA Request #1 -

Persons consulted in the preparation of the information were:

1. Dorothy M. Ellington, Research Oil Company
2. John W. Etchison, Manager Solid Waste, LTV
3. Robert A. Voytko, Engineer, Env. Control, LTV
4. Stanley Rihtar, Compliance Engineer, LTV
5. Peter Wosotowsky, Area Manager, Iron Producing, LTV
6. David Rugar, Area Manager, Utilities & Energy, LTV

U.S. EPA Request #2 -

Documents utilized in preparation of the information are included in Attachment A and Attachment D.

U.S. EPA Request #3 -

Additional persons who may provide more detailed response are referred to in Attachment A.

1. Alan Gressel, Research Oil Company
2. Bob Lehman, Research Oil Company

U.S. EPA Request #4 -

The EPA ID numbers for LTV Steel Cleveland Works are:

OHD 004218673
OHD 046203774

U.S. EPA Request #5 -

Persons involved with handling the used oil are as follows:

1. Transportation and Unloading - Research Oil Company Driver (1)
2. Tracking of Shipments - LTV Steel Iron Producing Clerk (1)
3. Maintenance of Equipment -
 - a. LTV Utilities & Energy Process Automation Engineer (1)
 - b. LTV Utilities & Energy Test Engineers

- c. LTV Utilities & Energy Repair Technicians
- d. LTV Utilities & Energy Electronic and Instrument Repairman
- e. LTV Iron Producing Maintenance Supervisors (4)
- f. LTV Iron Producing Area Supervisors (2)
- g. LTV Iron Producing General Supervisor - Maintenance (1)
- h. LTV Iron Producing Blower Foreman (8)
- i. LTV Iron Producing Turn Foreman (4)
- j. LTV Iron Producing Shift Manager (4)

U.S. EPA Request #6 -

Copies of all pertinent RCRA permit documents are included in Attachment B.

U.S. EPA Request #7 -

Copies of permit applications are included in Attachment B. Notifications of hazardous waste activities are included in Attachment C.

U.S. EPA Request #8 -

To rebut the presumption that used oil burned in LTV Steel's C5 and C6 blast furnaces with a total halogen concentration in excess of 1,000 ppm is a hazardous waste derived fuel, LTV Steel relies on a procedure adopted and followed by Research Oil Company (ROC), the only used oil fuel supplier to LTV Steel. The written ROC procedure is included as Attachment A. Data collected by ROC pursuant to the procedure and which relates to the data sheets provided by LTV Steel to the U.S. EPA and referred to in the information request, is included as Attachment D. Such data indicates that the oil material received by ROC, which is used in the production of the fuel shipped to LTV Steel, was not a hazardous waste containing material. Therefore, since ROC utilized no used oil containing a hazardous waste, their system, which produces the used oil shipped to LTV Steel, cannot and did not produce a hazardous waste derived fuel. Consequently, it is clear that the data generated by application of the ROC incoming oil analytic procedure successfully rebuts the presumption that the oil LTV Steel burns in C5 and C6 blast furnaces is a hazardous waste.

U.S. EPA Request #9 -

LTV Steel blast furnaces (Iron Producing Department) receives used oil processed for fuel from Research Oil Company (ROC) for use as a supplement to No. 6 oil for injection as fuel to blast furnaces C5 and C6, only. These blast furnaces are located at the facility with U.S. EPA ID No. 004218673. The oil is pumped directly from the ROC delivery tanker to the oil day tank, where it becomes mixed with the No. 6 fuel oil. The oil is pumped through a distribution system which heats and recirculates oil not injected back to the day tank. Flow controls at each blast furnace meter the oil for injection by injection pipes directly into the blast furnace tuyeres. Approximately four ROC tanker truck loads of used oil are received each weekday by LTV Steel.

Mr. Smith
May 29, 1997
Page 3

Please contact me if you have any questions regarding any of the foregoing information.

Very truly yours,

LTV STEEL COMPANY, INC.

A handwritten signature in dark ink, appearing to read "R. L. Nemeth", with a long horizontal flourish extending to the right.

R. L. Nemeth
Manager
Environmental Control

Attachments

CERTIFIED - RETURN RECEIPT

ATTACHMENT A



Research Oil Company

2777 Broadway Avenue

Cleveland, Ohio 44115

Tel. — 216-623-8383

Fax — 216-623-8393

May 23, 1997

LTV STEEL COMPANY
3100 E. 45th Street
Cleveland, Ohio 44127-0000

Attention: **Mr. Stan Rihtar**
Environmental Control Department

Dear Stan:

Enclosed with this letter are four items that detail the program and procedures used at Research Oil Company to manage the production of fuel oil from used oil in conformance with the requirements to rebut the presumption of mixing hazardous waste with used oil that arrives at our facility with a halogen content of 1,000 ppm or more. They are:

1. Explanation of Research Oil's used oil management procedures;
2. Memorandum on the microcoulometer from Bob Lohman to me;
3. Research Oil Company Laboratory procedures for the microcoulometer;
and,
4. A copy of microcoulometer procedures from the Dohrmann Operating Manual.

I believe these will satisfy your requirements. If you need further information, please call me on Wednesday, May 28 or if you need help on Tuesday, May 27, call Alan Gressel.

Sincerely,

Dorothy M. Ellington,
Environmental Compliance Manager

cc: Alan Gressel - ROC
Bob Lohman - ROC

OFF-SPEC FUEL OIL AND THE REBUTTABLE PRESUMPTION

Research Oil Company ships both on-spec and off-spec fuel oil to LTV. On-spec fuel oil exits the regulatory system before it is received at LTV. On-spec fuel oil can contain as much as 4,000 ppm of total halogens so long as the processor/marketer can successfully rebut the presumption that the fuel oil product is a hazardous waste because it contains in excess of 1,000 ppm total halogens. At Research Oil, the rebuttal of the presumption that oils containing in excess of 1,000 ppm of total halogens are hazardous results from a testing and management system that begins before the used oil is even shipped to the Research Oil plant.

At Research Oil, off-spec fuel is managed under the same system as on-spec fuel. The use of off-spec fuel in an industrial boiler or furnace impose certain recordkeeping requirements by the burner. These recordkeeping requirements for burning off-spec fuel containing more than 1,000 ppm total halogens are of considerable importance to LTV in order to insure that the plant operates in strict compliance with the requirements of Section 279 covering the management and burning of off-spec fuel oil. Below, we have outlined the management system employed by Research Oil to assure its customers, including LTV, that no hazardous waste fuel is ever shipped to their facilities.

The first step in our management of used oil is the requirement that all generators demonstrate that the oily liquid they intend to ship to us meets the definition of used oil. This information is communicated through completion of a generator profile and the submission of an adequate sample for analysis. Among the information required by the generator profile is the usage and management of the oil at its facility. This information helps us determine the pathways through which halogens may enter the used oil. The profile helps us answer such questions as, does the facility use chlorinated solvents? Are chlorinated waxes added to the virgin oil to improve its extreme pressure characteristics? Is the oil used in an emulsion? Are lubricating oils mixed with metalworking fluids before shipment? Does the generator collect used oil at the point of use or is the used oil recovered from a centralized wastewater treatment system?

The answers to these questions help us to understand the origin of halogens that may be found in the oil during analyses. We consider salt water and brine, chlorinated solvents introduced during or after use, and the various chlorinated wax additives used in metalworking lubricants. Our laboratory analyzes the samples submitted based on our understanding of the use of the oily waste stream at the point of generation.

During this analysis, we perform three or four specific tests to better understand the amount, type, and derivation of halogens detected in the used oil. We make use of the microcoulometer to determine total organic halogens, the gas chromatograph to identify individual solvent types and volumes, the GC to determine the presence of PCB's, and the FALEX EP tester to confirm the presence of chlorinated waxes introduced for the purpose of improved metalworking.

Based on the customer profile, conversations with the generator, and the analytic results from our laboratory, Research Oil, mindful of the rebuttable presumption, classifies the generator's waste stream into three categories: 1) oil that meets the requirements for processing into fuel oil upon arrival (under 1,000 ppm TOX); 2) oils that need to be checked to insure that the hazardous presumption can be rebutted from analytic results (over 1,000 ppm TOX); 3) oils that fail and must be used in our hazardous waste derived fuel program or rejected. Results of this work is used to determine the tests to be applied to the first shipment and to further shipments of waste from the generator, as well as the price to be paid or charged for the acceptance of the waste. If the generator is satisfied with our price which is based on our categorization of his waste stream, we will accept the material at our plant. Each incoming load is subjected to at least two analyses related to the volume and type of halogenated material in the waste stream. The minimum profile requirements on any inbound waste stream with organic content are a microcoulometer test to determine total halogens and a GC to determine PCB content. If the microcoulometer shows less than 1,000 ppm of total halogens and the PCB test less than 2 ppm, the oil may, subject to further analysis, be managed as on-spec oil.

If the microcoulometer indicated more than 1,000 ppm of total halogens, the volatile halogen content that is measured in the same microcoulometer test, is considered. If the original sample and prior shipment profiles differ from the analysis of this particular shipment, the GC is employed to determine the presence of solvents whose nature and volume would disqualify the material from being used in the production of on-spec or off-spec fuel oil. The GC analysis is used to determine if the particular shipment can be included in the raw material for the production of off-spec used oil or if the generator should be notified that the particular shipment is a hazardous waste by Research Oil analysis so that they can determine if they will pay us to manage the waste stream as a hazardous waste or if they want us to return the shipment.

If the microcoulometer test is consistent with the generator profile and the fingerprint of the first shipment, the shipment is pumped to the feed tanks for the fuel oil production system.

The standard parameter used at Research Oil to rebut the presumption that an oil with more than 1,000 ppm of halogens is hazardous is the presence of less than 100 ppm of any one solvent that appear on EPA's list of F001 and F003 halogenated solvents. Oils that exceed this levels are classified as hazardous waste.

I am confident that Research Oil's procedures meet every requirement that can be inferred from both Section 266, now in force in Ohio, and Section 279, soon to be adopted in Ohio, and will continue to protect our customers, our generators, and ourselves from any violation of EPA regulations.

MEMORANDUM

TO: Dorothy Ellington, Compliance Manager

FROM: Robert Lohman, Chief Chemist

DATE: May 22, 1997

SUBJECT: Rebuttable Presumption Testing

You inquired about the evolution of the analytic procedures we use at Research Oil to rebut the presumption that used oils received at the facility with more than 1,000 ppm of total halogens are hazardous waste. When the rebuttable presumption was first instituted, we used the microcoulometer to gain rapid, accurate, and efficient knowledge of the total organic chlorides in incoming samples. From the beginning, we tested each incoming load.

Shirlee has been gone for 8 or 9 years!
We were visited by Ms. Shirlee Brauer of Region 5 USEPA who was checking compliance with the new regulation. She asked how often we sampled incoming used oil for halogens. When we told her that we checked every load, she was shocked because she never contemplated our using anything but the Parr bomb to do these tests. When we showed her a microcoulometer procedure in SW 846, USEPA's lab manual, she was satisfied.

As we used the microcoulometer, I developed a procedure to determine volatile (solvent) chlorine with the microcoulometer by first positioning the sample only part way into the furnace to burn off and record only the chlorine in volatile solvents. Since then we have reported halogens as VC for volatile chlorides and TC for total organic halogens.

A few years later, OEPA questioned our use of the microcoulometer to rebut the presumption. I then ran 50 samples on both the microcoulometer and on the GC. The correlation between a low volatile chlorine number (300 ppm or less) on the microcoulometer was compared to GC scans for solvents listed in F001 and F003 by USEPA. These 50 samples showed perfect correlation between microcoulometer readings under 300 ppm and GC scans of less than 100 ppm for any F001-F003 solvent.

We own and operate two Dohrmann microcoulometers. When I was visited by a Dohrmann technical representative, I demonstrated my method of determining both volatile chlorine and total organic halogens on the same sample in one procedure. Dohrmann was so impressed with this solution that they now sell all their machines with a mark to indicate the position of the sample boat to determine volatile chlorine and have included the procedure in their operating manual supplied to purchasers of microcoulometers.

Because of our experience and these endorsements of our procedure, we only use the GC in the rebuttable presumption procedures when it is important to determine which of the solvents listed under F001 and F003 is present in the used oil. This question usually arises when the specific solvent would be important to determining its source.

If I can be of further assistance, please let me know.

RL:cm

DX-20B

RUNNING SAMPLES

1. For samples, switch time to 10 minutes.
2. Position the boat under the injection port using the TX MODE.
3. Prepare samples the same as for the other machine using iso-octane to extract the organic chlorine. (Samples can be diluted in water or injected directly but in these cases the results would be TX (total halides, organic and inorganic). We are interested in TOX (total organic halides) because these are potentially hazardous.
4. Inject 4 ul of sample, depress start, the boat will automatically move to the volatile position and remain there for 1 minute 30 seconds. If this is not long enough for the volatile to come off, switch the mode to EOX and the boat remains at this position. By switching back to TX the boat moves into the furnace for non-volatile chlorine. With the time setting at 10 minutes the counting will automatically stop. If this is still not enough time the sample will need a higher dilution factor. Watch baseline come back to original baseline (or close) to tell if all volatile has come off. Samples can also be run on ug (1000 ng/ug).

CALCULATIONS

$$VOX(ppm) = \frac{[integrated\ VOX\ reading(ng) - blank(ng)] (dilution\ factor)}{[volume(ul)] \left[density \left(\frac{mg}{ul} \right) \right] (recovery\ factor)}$$

$$\% VOX = \frac{ppm}{10,000}$$

$$TOX(ppm) = \frac{[integrated\ TOX\ reading(ng) - blank(ng)] (dilution\ factor)}{[volume(ul)] \left[density \left(\frac{mg}{ul} \right) \right] (recovery\ factor)}$$

$$\% TOX = \frac{ppm}{10,000}$$

VOX = Volatile Organic Halogen

TOX = Total Organic Halogen

volume = volume injected

density = original sample weight (same as g/ml)

recovery factor = std reading (ng)/standard (ng)

1000 ng = 1 ug

DOHRMANN

2240 SCOTT BLVD., P.O. BOX 58007 SANTA CLARA, CA 95052-8007
TEL: (408) 727-6000 TELEX: 346395 FACSIMILE: (408) 727-1601

(513) 217-7000

Acc# 170689

MC-3 ANALYZER MODULE SYSTEMS MANUAL

PROPRIETARY INFORMATION NOTICE

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH SHOULD NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR MANUFACTURING OR ANY PURPOSE OTHER THAN OPERATION, MAINTENANCE, OR SALE OF DOHRMANN EQUIPMENT WITHOUT PRIOR WRITTEN PERMISSION OF DOHRMANN DIVISION.

ALL OR PART OF THE INFORMATION ON THIS DOCUMENT MAY BE COVERED BY U.S. AND FOREIGN PATENTS.

Part No. 915-231

Edition 3: November 1988

APPENDIX D

DETERMINATION OF TRACE CHLORINE IN WASTE OIL AND SOLVENTS

I. INTRODUCTION

Recent EPA regulations determine the permitted use of recycled waste oil and solvents depending on the level of total halogen (TX) in the material. For example, any used oil to be sold for burning in non-industrial boilers must be tested for TX. A simple and accurate test for TX in oil is of great value to all producers, transporters, brokers, and users in the waste oil industry.

DOHRMANN's DX-20B is specifically designed for measurement of TX in waste oil and similar substances. It is sensitive well below the 1 ppm to avoid false positives and negatives at critical action levels.

II. SCOPE

The following methods are used for the determination of total halide (TX) concentration in organic samples in the range of 25 to 25,000 ngs. They are applicable to solids and other samples which cannot be drawn with an ordinary syringe.

SUMMARY OF METHOD

Without pretreatment, the analyst injects a sample onto a boat residing in an inert CO_2 (N_2 , He or Ar) environment. After pressing "START," following² baseline memorization, the boat is advanced to the 250° zone where entrained water and other volatiles are vaporized and, eliminated or measured, as desired. The boat is advanced again into the 1000° combustion zone where, in a 75% CO_2 and 25% O_2 environment, the sample is oxidized. The gaseous products of oxidation (including CO_2 , H_2O , HX) are swept

into the detection cell where any halide or oxyhalide formed is coulometrically titrated with silver ion. That is, the total current required to replace the consumed silver ion and maintain a constant silver ion concentration in the cell is a direct measure of the chlorine present in the injected sample.

V. APPARATUS

A. One of the following DOHRMANN systems:

1. DX-20B Total Halide Analyzer (p/n 832-282). This system includes all necessary instrumental hardware and glassware.
2. DX-20A Total Organic Halide Analyzer (p/n 832-280) retrofitted with an EOX/TX solenoid valve assembly (p/n 899-479).

ATTACHMENT B

LTV Steel Company

file
Ang Watson
CERTIFIED MAIL - RETURN RECEIPT REQUESTED



October 21, 1988

Ohio EPA
P.O. Box 1049
1800 Watermark Drive
Columbus, OH 43266-0149

RECEIVED

OCT 24 1988

ENVIRONMENTAL CONTROL DEPT.
CLEVELAND DISTRICT

Attn: Mr. Tom Crepeau
Division of Solid and Hazardous Waste

Re: LTV Steel Company
Cleveland Works (West)
OHD046203774
02-18-0391
Part B Call-In

Dear Mr. Crepeau:

I am responding to the Part B call-in received for the above referenced facility. A Part A application was submitted on November 14, 1980 and a HWFAB permit (02-18-0391) issued on December 28, 1981 for spent pickle liquor tanks (S02) at the above referenced facility.

On January 5, 1983, the facility submitted a Part A withdrawal request to USEPA, Ohio EPA and HWFAB. The reason for the withdrawal being that the tanks were not storage tanks and met the definition of a less than 90 day accumulation unit. The unit continues to be such an accumulation unit. On April 4, 1983, the facility received acknowledgement from USEPA that the Part A permit for this facility was withdrawn (copy of USEPA letter attached).

Since 1983, LTV Steel has supplied Ohio EPA on numerous occasions with copies of the formal request for withdrawal of the permit. LTV Steel respectfully requests that Ohio EPA approve the permit withdrawal request for the S02 unit at this time.

If you have any questions, please contact me at 216-429-6475.

Sincerely,

L. A. Szuhay
L. A. Szuhay
Manager, Solid & Hazardous Waste
Environmental Control

LAS/dcr/4433a
Attachment

cc: Mr. Ed Lim, OEPA - Columbus
Mr. Kris Coder - OEPA, NEDO
Mr. Keith Dimoff - OEPA, Columbus

bcc: T. J. Harlan
L. E. Larson
K. L. Nemeth
W. L. West
T. A. Zalenski



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY

REGION V
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

REPLY TO ATTENTION OF:
5HW-13

APR 4 1983

Mr. D.L. Wise
Western Division President
Jones & Laughlin Corporation
2500 New York Avenue
Whiting, Indiana 46394

RE: Withdrawal of Part A
(Pickle Liquor)
(Storage fewer than 90 Days)

FACILITY NAME: Jones & Laughlin
Cleveland Facility
U.S. EPA ID #: OHD 046-203-774

Dear Mr. Wise:

This is to acknowledge that the United States Environmental Protection Agency (U.S. EPA) has completed its review of your Part A Hazardous Waste Permit Application and your letter of January 5, 1983, requesting the withdrawal of your permit application. According to the information which you have submitted, your facility has accumulated wastes generated on-site for fewer than 90 days in containers or tanks since November 19, 1980, in accordance with 40 CFR 262.34. In addition, interim status is not required for waste pickle liquor that is being re-used in accordance with 40 CFR 261.6. It is the opinion of this office, based on the information submitted, that your facility is not required to have a hazardous waste permit under Section 3005 of the Resource Conservation and Recovery Act at this time.

Your status is that of generator only. The Part B application that was requested will therefore not be required. You must ensure that your waste is handled in accordance with 40 CFR Part 262 and applicable State and local requirements.

Please contact Mrs. Elizabeth Utley of my staff, at (312) 886-6162, if you have further questions.

Sincerely yours,


Karl J. Klepitsch, Jr., Chief
Waste Management Branch

cc: Tom Carlisle, OEPA
~~George C. Smith~~, Technical Coordinator
Cleveland Works
Jones & Laughlin Corporation

LTV Steel Company



July 6, 1988

U.S. Environmental Protection Agency
Region V
230 S. Dearborn Street
Chicago, Illinois 60604

RECEIVED
JUL 07 1988
ENVIRONMENTAL CONTROL DEPT.
CLEVELAND DISTRICT

Attn: Mr. William E. Muno, 5 HS-13

Re: LTV Steel Company
Cleveland Works - East
OHD 004218673

Dear Mr. Muno:

This letter is in response to your Request for Part B Post-Closure Permit Application dated June 27, 1988 and confirms the telephone conversations with Mr. Robert Swale and Ms. Francine Norling of your staff.

LTV Steel has never owned or operated a RCRA land disposal unit at the above referenced facility. In fact, the only RCRA units existing at Cleveland Works-East (OHD 004218673) are storage tanks (S02) and a storage container (S01).

Please contact me if you have any questions or require anything additional.

Sincerely,

L. A. Szuhay
Manager-Solid and Hazardous Waste
Environmental Control

IAS/fh

Attachment

cc: Ms. Francine Norling
U.S. EPA Region V, Chicago

Mr. Ed Lim
Ohio EPA, Columbus

4152a



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

27 JUN 1988

REPLY TO THE ATTENTION OF:

5HS-13

CERTIFIED MAIL
RETURNED RECEIPT REQUESTED

L. Aguer
Superintendent Environmental Control
LTV Steel Company
3100 E. 45th Street
Cleveland, Ohio 44127

RE: Part B Post-Closure Permit Application
LTV Steel Company
OHD 004218673

Dear Mr. Aguer:

According to our records, your facility is subject to the interim status requirements under Section 3005(e) of the Resource Conservation and Recovery Act (RCRA) as a hazardous waste management facility. Specifically, our records indicate that you submitted a closure plan for your hazardous waste management unit(s), involving closure as a landfill, for approval by the United States Environmental Protection Agency (U.S. EPA). All regulations referred to below are from 40 Code of Federal Regulations (40 CFR).

Any owner/operator of a hazardous waste disposal unit that closes after January 26, 1983, without obtaining a RCRA permit, is required by §270.1(c) to have a permit for any applicable post-closure care period. The facility is responsible for complying with the interim status post-closure requirements of §265.117 through §265.120. In addition, per §264.90(a), as modified by RCRA Section 3005(i), a land disposal unit that receives hazardous waste after July 26, 1982, is a regulated unit and is subject to Part 264 post-closure requirements, including Subpart F, which addresses groundwater protection.

Under the authority of §270.10(e)(4), this is a formal request for submittal of Part B of the permit application for the above-referenced facility, covering specifically the post-closure requirements. If you submitted a Part B application prior to your decision to close the regulated units, then you may revise your Part B application to meet the post-closure requirements rather than the operating standards.

RECEIVED

JUN 30 1988

ENVIRONMENTAL CONTROL

40 CFR §270.14(a) establishes the information requirements for a RCRA Part B permit. However, because of the inherent differences between an operating permit and a permit covering only post-closure activities, some application requirements in §270.14 are not applicable for a post-closure permit. Your facility is required to submit information in the Part B application that is relevant to post-closure care activities. Although informational requirements may be dependent upon site-specific conditions, at a minimum, it should include:

- ° A copy of the post-closure inspection schedule [§270.14(b)(5)];
- ° Floodplain information [§270.14(b)(11)(iii - iv)];
- ° A copy of the post-closure plan [§270.14(b)(13)];
- ° Documentation of the notice in deed or an appropriate alternative instrument [§270.14(b)(14)];
- ° Cost estimate for post-closure and post-closure financial mechanism [§270.14(b)(16)];
- ° A copy of the State financial instrument, if appropriate [§270.14(b)(18)];
- ° Groundwater data and information demonstrating compliance with requirements for detection monitoring, compliance monitoring and corrective action, as applicable [§270.14(c)];
- ° Information on solid waste management units and releases from those units [§264.101];
- ° Financial responsibility for corrective action (if applicable); and
- ° For landfills and surface impoundments, exposure information [§270.10(j)].

As stated above, this list represents the minimum information that needs to be included in the permit application. In some cases, further information may be needed depending on the nature of the facility, waste characteristics and other factors. Please refer to the enclosed RCRA post-closure permit application checklist to help you in preparing a comprehensive and complete permit application. Should you have any questions or concerns in preparing the application, please contact Mr. Robert Swale of my staff, at (312) 886-6591.

Please be reminded that submission of the permit application must be made by November 8, 1988. Upon completion of the application, please send two copies to the U.S. EPA and three copies to the Ohio Environmental Protection Agency.

==

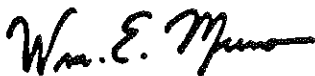
Please number each page of the application uniquely, including all attachments (maps, specifications, etc.). A certification statement identical to the one stated in 40 CFR §270.11(d) must accompany each application and all additional submittals. Send two copies of the application to the following address:

RCRA ACTIVITIES
Post-Closure Permit Application
U.S. EPA, Region V
Post Office Box A-3587
Chicago, Illinois 60604

Send three copies to: Thomas Crepeau
Ohio Environmental Protection Agency
Division of Solid & Hazardous Waste Management
Post Office Box 1049
Columbus, Ohio 43266-1049

The U.S. EPA looks forward to working with you toward fulfilling the above request. Again, should you have any questions concerning the above matter, please contact us for assistance.

Sincerely,



William E. Muno
Acting Associate Division Director
Office of RCRA

Enclosure: RCRA Post-Closure Permt Application Checklist

cc: Paul Flannigan, OEPA
District Office Manager, OEPA
Ed Lim, OEPA

LTV Steel Company

April 28, 1986



Part A.
xcc: KrisLor
5/2/86

Certified Mail-Return Receipt Requested

Ohio Environmental Protection Agency
Solid and Hazardous Waste Management
Post Office Box 1049
Columbus, Ohio 43266
Attn: Mr. Thomas Crepeau

rec'd 5/1/86

U.S. Environmental Protection Agency
Region V
Post Office Box A 3587
Chicago, Illinois 60604
Attn: RCRA Activities

rec'd 5/1/86

Re: Withdrawal of Part A RCRA Permit Application
LTV Steel Company, Inc.
Cleveland (East) Works
3100 East 45th Street
Cleveland, Ohio 44127
U.S. EPA ID No. OHD 004 218 673
(HWFAB #02-18-0186)

Dear Readers:

Confirming previous verbal conversations, we are herewith submitting all required documentation to allow LTV Steel to withdraw the RCRA Part A permit for the Cleveland Works. This information also is submitted in response to Ohio EPA's letter of March 6, 1986 dealing with closure of tanks, and conforms to recent U.S. EPA letters regarding EPA Policy 121 for closure in place of tanks reverting to less than 90 day storage.

In conformance with a suggestion from Mr. Bill Muno of Region V of U.S. EPA, this submittal is in three parts:

1. Corrected of Part A to reflect current practice and regulations.
2. Closure in place of less than 90 day storage tanks.
3. Full closure of tanks no longer in use.

Certification statements, as required by 40 CFR 270.11, have been signed by W. G. Wiley, Vice President Flat Rolled, addressing the above information.

LTV Steel wishes to withdraw the subject Part A application and terminate its status as a hazardous waste storage facility. The Cleveland (East) Works wishes to continue to maintain its status as a generator of hazardous waste.

1. Corrected Part A

Republic Steel submitted the first application for a Part A permit on November 17, 1980 which was subsequently revised prior to entry into the

Hazardous Waste Facility Approval Board (HWFAB) Journal on December 28, 1981. Enclosed is Attachment 1-A which is the HWFAB permit.

Process Design Capacities listed were:

SO2 - 158,460 Gallons

Attached (1-B) is a listing of the SO2 storage facilities identified in the HWFAB permit.

On July 26, 1982, Republic Steel revised and corrected the Part A application to reflect regulatory and operational changes at the Cleveland Works. The application was resubmitted to the Hazardous Waste Facility Approval Board, the Ohio EPA and the U.S. EPA (Region V). On March 27, 1985, the Ohio EPA returned the July 26, 1982 reapplication explaining that there were no rules by which to process requests for permit changes. The letter from Ohio EPA is shown as attachment 1-C. In addition, no action was taken by any agency on the modification request because of the significant amount of time that had passed since the request was submitted. The Ohio EPA indicated that it was now in a position to consider a modification request and suggested that an updated permit change package be resubmitted should we still wish to pursue a change to the permit. The requested permit changes were never processed and the permit remains as originally issued.

The attached Part A application (2-A, 2-B, 2-C) dated April 28, 1986 has again been corrected by LTV Steel to reflect recent regulatory and operational changes at the Cleveland Works. Of the 158,460 gallons of storage allowed by the original application, the following amounts have been eliminated for the reasons listed:

<u>Desulfurization Tanks</u>	18,690	Desulfurization liquor not hazardous
	410	Desulfurization liquor not hazardous
<u>Coal Tar Sludge Mill Tank</u>	3,070	Recycled material (Closed Loop)
<u>Dumpsters (coal tar sludge</u>	4,761	Recycled material (Closed loop)
<u>and tar material)</u>		
	26,931	Gallons (TOTAL)

Additionally, the following item has been added to the total storage capacity:

<u>60" Electro-Plate Acid Tank</u>	15,000	Converted to Spent Pickle Liquor storage
------------------------------------	--------	--

This leaves a total of $(158,460 - 26,931 + 15,000 =)$ 146,529 gallons storage. This is the total amount enumerated on the attached Part A application. Also, note the name change from Republic Steel Corporation to LTV Steel Company, Inc.

2. Closure in place (less than 90 day storage)

The five storage tanks containing hazardous wastes listed in Attachment 3-A will be emptied within every 90 day period. Closure of these tanks falls under EPA Policy 121 guidelines and the required certifications are included

as Attachments 3-B and 3-C. The total amount of storage for these tanks is 71,529 gallons. Waste management procedures to assure compliance with the less than 90 day storage period are described as Attachment 3-D. The agencies' review and approval of the procedure is requested for these five storage tanks.

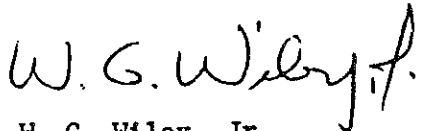
3. Full closure of storage tank

The three storage tanks at the 98" Pickle Line are no longer used for storage of spent pickle liquor. The appropriate closure documents are attached and listed as Attachments 4-A through 4-C. The total amount of storage for these tanks is 75,000 gallons. The agencies' review and approval of the closure plan is requested for these three storage tanks.

The description above accounts for all of the storage volume and hazardous wastes listed on the original HWFAB permit. Should you have any question regarding the withdrawal of the Cleveland (East) Works Part A application, please contact Mr. Larry Szuhay at (216) 429-6475.

Thank you for your consideration.

Very truly yours,



W. G. Wiley, Jr.
Vice President Flat Rolled

WGWSH/fh

Attachments

cc: Kris Coder, Ohio EPA-Twinsburg

1818a

Withdrawal of Part A RCRA Permit Application
LTV Steel Company, Inc.
Cleveland (East) Works
3100 East 45th Street
Cleveland, Ohio 44127
U.S. EPA ID No. OHD 004 218 673
(HWFAB #02-18-0186)

A T T A C H M E N T S

1. Background Information

- 1-A Approved HWFAB Permit dated December 28, 1981
- 1-B SO2 storage facilities December 1981
- 1-C Letter from Ohio EPA dated March 27, 1985

2. Corrected Part A

- 2-A Part A Application dated April 28, 1986
 - Form 1
 - Form 3
- 2-B Facility Drawing and Topographic Map
- 2-C Facility Photographs
 - 1. 3 - Spent Pickle Liquor Storage Tanks (98")
 - 2. 2 - Spent Pickle Liquor Storage Tanks (84")
 - 3. 2 - Spent Pickle Liquor Storage Tanks (Electro Plate)
 - 4. 1 - Degreaser Sludge Storage Container (Electric Shop)

3. Closure in place (less than 90 day storage)

- 3-A Hazardous Waste Storage Tanks (April 1986)
- 3-B Container/Storage Closure Request (EPA Policy 121)
- 3-C Spill Certification Statement
- 3-D Hazardous Waste Management Procedures

4. Full closure of storage tank

- 4-A Tank Closure Plan dated April 28, 1986
- 4-B Facility Drawing
- 4-C Detailed Drawings
 - Foundation Location
 - Tank Detail (typical)

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ATTACHMENT 1-A



P.O. Box 1049
361 E. Broad St.
Columbus, Ohio 43216
(614) 462-6981

ENVIRONMENTAL CONTROL DEPT
hazardous waste facility approval board
Cleveland District

James A. Rhodes, Governor
Wayne S. Nichols, Chairman

Republic Steel
Cleveland District
3100 East 45th Street
Cleveland, Ohio 44127

Re: Permit No. 02-18-0186

DEC 28 1981

Attn: L. Aguiar

Dear Permittee:

Transmitted herewith is a certified copy of your Hazardous Waste Facility Installation and Operation Permit (Permit) as such permit was entered into the Journal of the Board. The permit consists of the following:

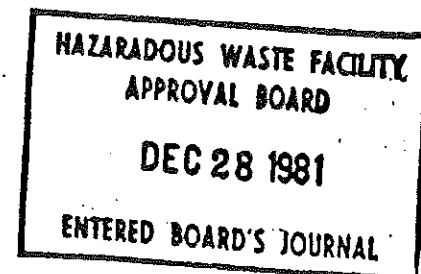
- 1) The standardized permit form (Findings and Conclusions and Issuance).
- 2) Terms and Conditions as approved by the Board (Special Terms and Conditions applicable to all permittees and Special Terms and Conditions for specific facilities).
- 3) Portions of the approved Part A permit application indicating the approved hazardous waste processes and design capacities and those hazardous wastes, identified by U.S. EPA Hazardous Waste Number, to be managed at the facility.

Processes, design capacities, and/or specific hazardous wastes which are stricken through or crossed out on the Part A permit application are not included in the approved permit. Unless otherwise notified by certified mail and afforded the opportunity for an adjudication hearing before the Board, all such deletions have occurred with the authorization of the applicant or his representative.

You are encouraged to carefully read the permit in its entirety. Any questions or comments concerning its content should be addressed to:

Ms. Peggy J. Vince
Executive Director
Hazardous Waste Facility Approval Board
P.O. Box 1049
361 East Broad Street
Columbus, OH 43216
(614) 462-6981

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YOU ARE HEREBY ADVISED THAT: All appeals of these matters are to the Court of Appeals of Franklin County, 369 South High St., Columbus, Ohio 43215, Attn: Deputy Clerk, and shall be pursuant to the provisions of Section 3734.05(C)(7) of the Revised Code.

Sincerely,

Peggy J. Vince

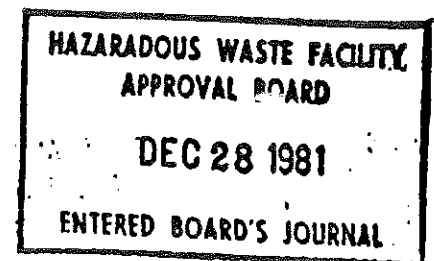
Peggy J. Vince
Executive Director

PJV/ss

Enclosure

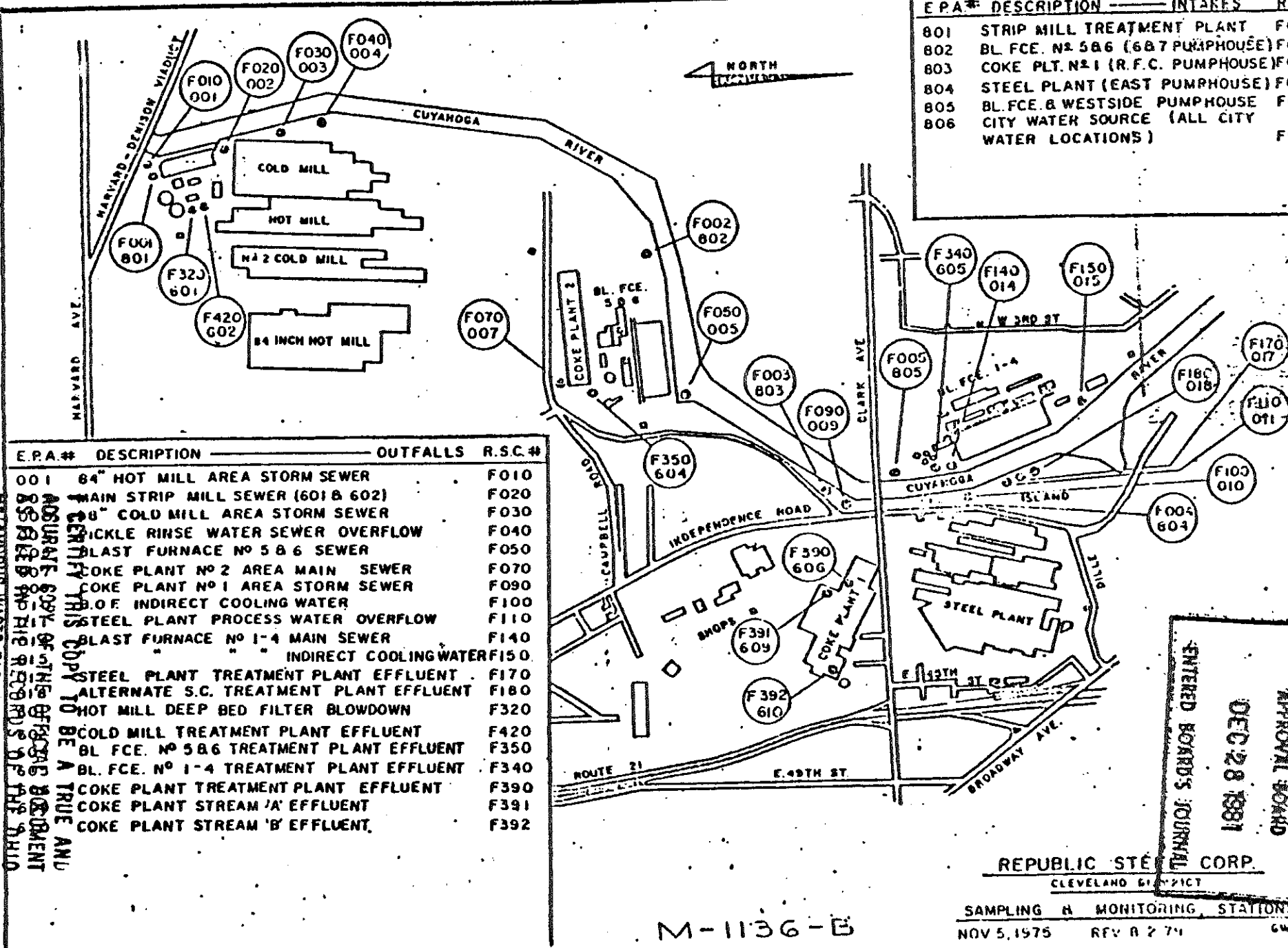
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BY ck DATE 12/31/81



Form 1 DECAT 204.

EPA#	DESCRIPTION	INTAKES	R.S.C.
801	STRIP MILL TREATMENT PLANT	FO01	
802	BL. FCE. N° 5 & 6 (6B7 PUMPHOUSE)	FO02	
803	COKE PLT. N° 1 (R.F.C. PUMPHOUSE)	FO03	
804	STEEL PLANT (EAST PUMPHOUSE)	FO04	
805	BL. FCE. & WESTSIDE PUMPHOUSE	FO05	
806	CITY WATER SOURCE (ALL CITY WATER LOCATIONS)	F999	



E.P.A.#	DESCRIPTION	OUTFALLS	R.S.C.#
001	84" HOT MILL AREA STORM SEWER	F010	
	MAIN STRIP MILL SEWER (601 & 602)	F020	
	8" COLD MILL AREA STORM SEWER	F030	
	WICKLE RINSE WATER SEWER OVERFLOW	F040	
	BLAST FURNACE N° 5 & 6 SEWER	F050	
	COKE PLANT N° 2 AREA MAIN SEWER	F070	
	COKE PLANT N° 1 AREA STORM SEWER	F090	
	INDIRECT COOLING WATER	F100	
	STEEL PLANT PROCESS WATER OVERFLOW	F110	
	BLAST FURNACE N° 1-4 MAIN SEWER	F140	
	INDIRECT COOLING WATER	F150	
	STEEL PLANT TREATMENT PLANT EFFLUENT	F170	
	ALTERNATE S.C. TREATMENT PLANT EFFLUENT	F180	
	HOT MILL DEEP BED FILTER BLOWDOWN	F320	
	COLD MILL TREATMENT PLANT EFFLUENT	F420	
	BL. FCE. N° 5 & 6 TREATMENT PLANT EFFLUENT	F350	
	BL. FCE. N° 1-4 TREATMENT PLANT EFFLUENT	F340	
	COKE PLANT TREATMENT PLANT EFFLUENT	F390	
	COKE PLANT STREAM 'A' EFFLUENT	F391	
	COKE PLANT STREAM 'B' EFFLUENT	F392	

REPUBLIC STEEL CORP.
CLEVELAND DISTRICT
ENTERED BOARD'S JOURNAL
DEC 28 1981
APPROVAL BOARD
HAZARDOUS WASTE FACILITY

SAMPLING & MONITORING STATIONS
NOV 5, 1975 REV R 2 74 GND

M-1136-B

BY

DATE

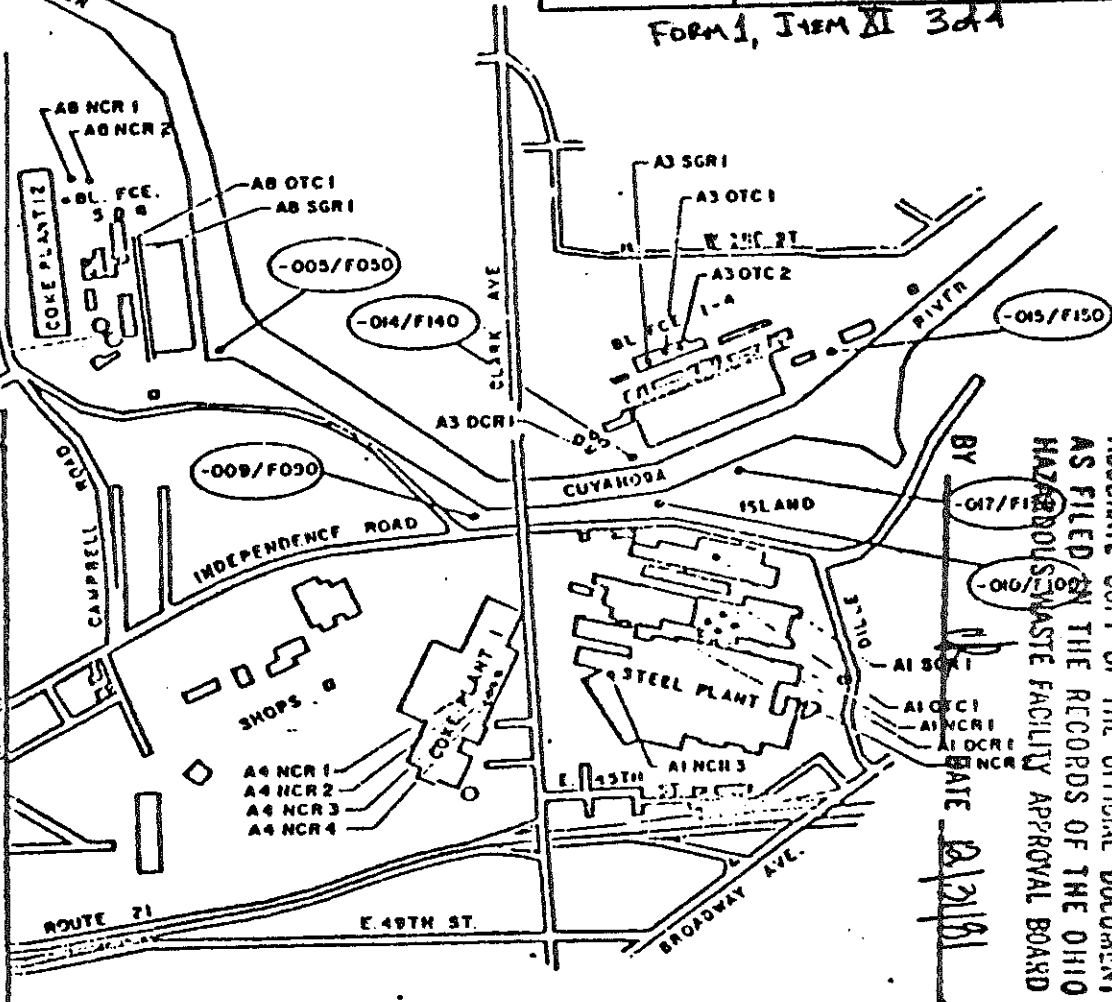
12/31/81

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OUTFALL NO EPA/RSC	DESCRIPTION
D303002/F020	MAIN STRIP MILL SEWER
D303003/F050	5 & 6 BLAST FURNACES SEWER
D303003/F030	NO.1 COKE PLANT AREA STORM SEWER
D303010/F100	B.O.F. INDIRECT COOLING WATER
D303014/F140	1 & 4 BLAST FURNACES MAIN SEWER
D303015/F150	1 & 4 BL. FCES. INDIRECT COOLING W/T
D303017/F170	STL. PLT. W.W.T.P. EFFLUENT

FORM 1, ITEM XI 3d4

OUTFALL NO.	C.W. SYSTEM NO.	DESCRIPTION
D303002	A9-NCR1 A9-NCR2 A9-NCR3 A9-DCR1	84" HOT MILL - FCE. COOLING LUBE OIL COOL'G. 84" COLD MILL - MOTOR COOL'G. 84" H.M. - RECIRCULATING SYS.
D303003	A8-SGR1 A8-OTC1 A8-NCR1 A8-NCR2 A8-DCR1 A8-OTC2	NO.2 POWER STA. - STEAM GEN. COOLING SYS. NO.2 COKE PLT. - W.O. COOLERS FINAL COOLERS 5 & 6 BL. FCES. - RECYCLE SYS. NO.2 COKE PLT. - PRIMARY COOLERS
D303009	A4-NCR1 A4-NCR2 A4-NCR3 A4-NCR4	NO.1 COKE PLT. - SURFACE COND. PRIMARY COOLERS FINAL COOLERS W.O. COOLERS
D303010	A1-OTC1	B.O.F. - HOOD COOLING SYSTEM
D303014	A3-SGR1 A3-OTC1 A3-DCR1	NO.1 POWER STA. - STEAM GEN. COOLING SYS. 1 & 4 BL. FCES. - RECYCLE SYS.
D303015	A3-OTC2	NO.1 POWER STA. - COOLING SYS.
D303017	A1-NCR1 A1-NCR2 A1-DCR1 A1-NCR3 A1-SGR1	B.O.F. - HOOD COOLING SYSTEM LANCE COOLING SYSTEM S.G. RECYCLE SYSTEM 45" SLAB MILL - MOTOR COOLING NO. 234 BOILER - STEAM GEN.



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APPROVAL BOARD

REPUBLIC STEEL CORP.
CLEVELAND DISTRICT
COOLING WATER SYSTEMS

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DATE 12/21/81

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)

COMMENTS

I. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☒ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

YR.	MO.	DAY
80	10	09

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR.	MO.	DAY

B. REVISED APPLICATION (place an "X" below and complete item I above)

☐ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.
2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
---------	--------------	--

Storage:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS

Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

UNIT OF MEASURE	UNIT OF MEASURE CODE
-----------------	----------------------

GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U

UNIT OF MEASURE	UNIT OF MEASURE CODE
-----------------	----------------------

LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
---------	--------------	--

Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATION		METRIC TONS PER HOUR OR TONS PER HOUR

OTHER (Use for any other treatment processes not occurring in the surface impoundment or incineration. Describe the processes in the space provided; Item III-C)

BY	UNIT OF MEASURE CODE	DATE	UNIT OF MEASURE CODE
----	----------------------	------	----------------------

UNIT OF MEASURE	UNIT OF MEASURE CODE
-----------------	----------------------

ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 2	158,460	G		7				
2					8				
					9				
4					10				

HAZARDOUS WASTE FACILITY
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VII. SIC CODES (4-digit, in order of priority)

A. FIRST				B. SECOND			
7	3	3	1	2	7		(specify)
C. THIRD				D. FOURTH			
7				7			(specify)

VIII. OPERATOR INFORMATION

A. NAME												B. Is the name listed in Item VII-A also the owner?	
REPUBLIC STEEL CORPORATION												<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)										D. PHONE (area code & no.)					
F - FEDERAL S - STATE P - PRIVATE M - PUBLIC (other than federal or state) O - OTHER (specify)										216 622 5000					

E. STREET OR P.O. BOX											
P.O. BOX 6778											

F. CITY OR TOWN										G. STATE		H. ZIP CODE		IX. INDIAN LAND	
CLEVELAND										OH		4410		Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)										D. PSD (Air Emissions from Proposed Sources)									
9 N UH0000957										9 P									
B. UIC (Underground Injection of Fluids)										E. OTHER (specify)									
9 U										9									
C. RCRA (Hazardous Wastes)										E. OTHER (specify)									
9 R										9									

XI. MAP

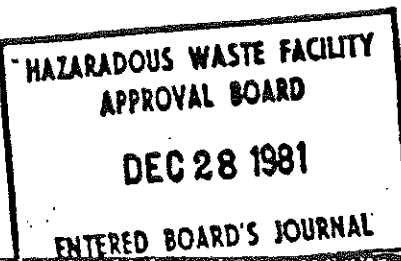
Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

Integrated Steel Plant producing plate; zinc coated sheets and coil; bar products; hot-rolled sheet, coil and strip; cold rolled sheets, coil and strip; coke plant by-products

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BY CR DATE 12/31/81



XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)		B. SIGNATURE		C. DATE SIGNED	
P. N. WIGTON, Vice President Steel Operations		<u>P. N. Wigton</u>		11-17-80	

COMMENTS FOR OFFICIAL USE ONLY

C											
---	--	--	--	--	--	--	--	--	--	--	--

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BY ck DATE 12/31/81

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IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE
POUNDS P
TONS T

METRIC UNIT OF MEASURE CODE
KILOGRAMS K
METRIC TONS M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous wastes: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

W Z O J Z	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES				
				1. PROCESS CODES (enter)			2. PROCESS DESCRIPTION (If a code is not entered in D(1))	
X-1	K 0 5 4	900	P	T 0 3	D 8 0			
X-2	D 0 0 2	400	P	T 0 3	D 8 0			
X-3	D 0 0 1	100	P	T 0 3	D 8 0			
X-4	D 0 0 2						Included with above	

EPA I.D. NUMBER (enter from page 1)
 VO H D O C 4 2 1 8 6 7 3 1
 FOR OFFICIAL USE ONLY
 DUP
 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

1 NO JZ	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEAS- URE (enter code)	D. PROCESSES															
				1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))							
1	F 0 0 1	11	T	S 0 2													Recycled on coal to coke battery using sludge mill		
2	F 0 0 3	15	T	S 0 2													"		
3	F 0 1 7	290 <i>On 1-1-81</i>	P	S 0 2													"		
4	K 0 8 7	4,140	T	S 0 2													"		
5	K 0 6 2	53,500	T	S 0 2															
6	B 0 0 2	300 <i>On 1-1-81</i>	T	S 0 1	S 0 2												Coke oven gas desulfurization Sludge and liquor.		
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
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BY CR DATE 12/31/81

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DESCRIPTION OF HAZARDOUS WASTES (continued)

USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

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BY CK DATE 12/31/81

HAZARADOUS WASTE FACILITY
APPROVAL BOARD

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EPA I.D. NO. (enter from page 1)

F U H D 0 0 4 2 1 8 6 7 3 6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

41 28 01 4

LONGITUDE (degrees, minutes, & seconds)

08 47 00 5

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

E

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

F G

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

P. N. WIGTON, Vice President
Steel Operations

B. SIGNATURE

P. N. Wigton

C. DATE SIGNED

11-17-80

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

018

Form 1 Item II

40

YNCA

—AUSLINE Sci

1322

Newburgh Heights

0186

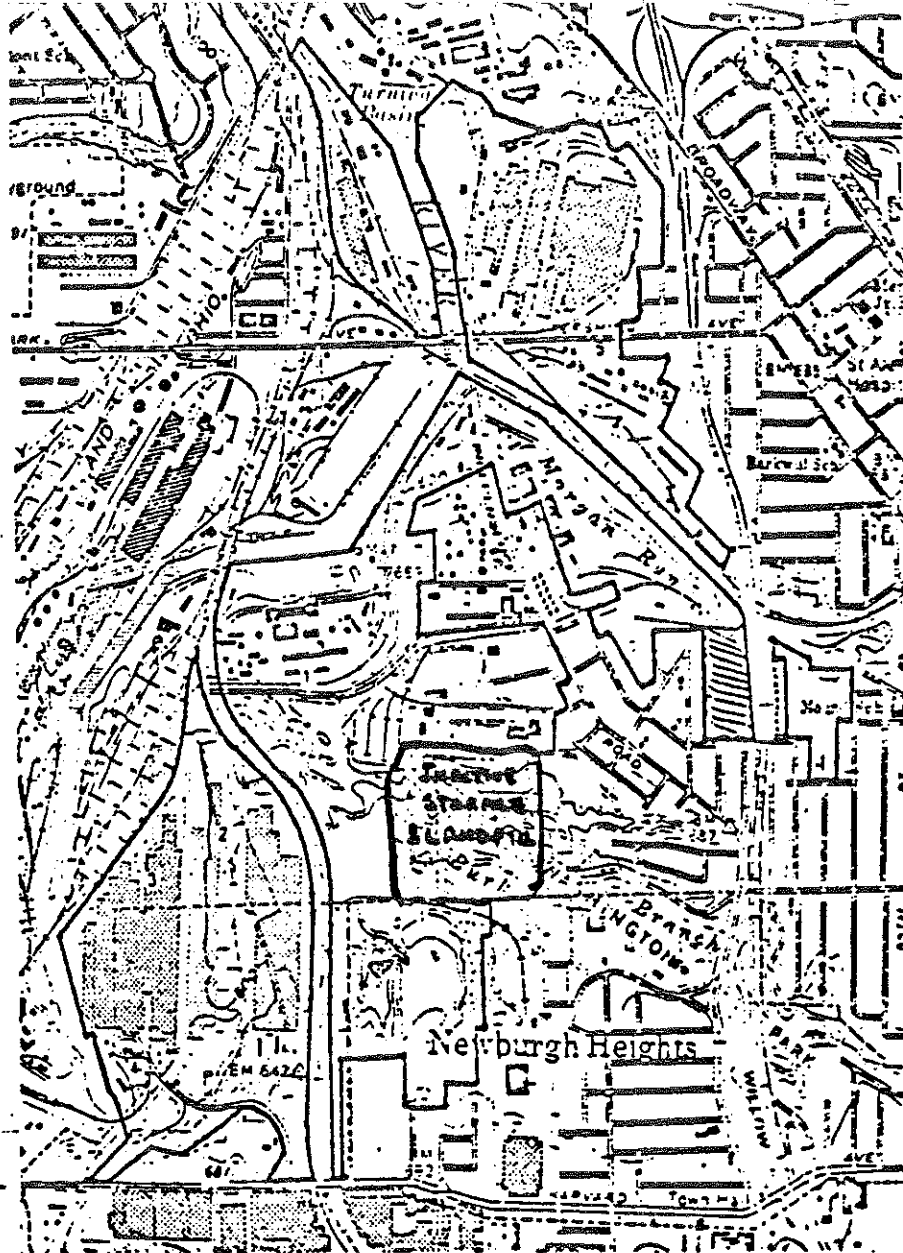
I CERTIFY THIS COPY TO BE A TRUE AND
ACCURATE COPY OF THE OFFICIAL DOCUMENT
AS FILED IN THE RECORDS OF THE OHIO
HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY ck DATE 12/31/81

HAZARDOUS WASTE FACILITY
APPROVAL BOARD

DEC 28 1981

ENTERED BOARD'S JOURNAL



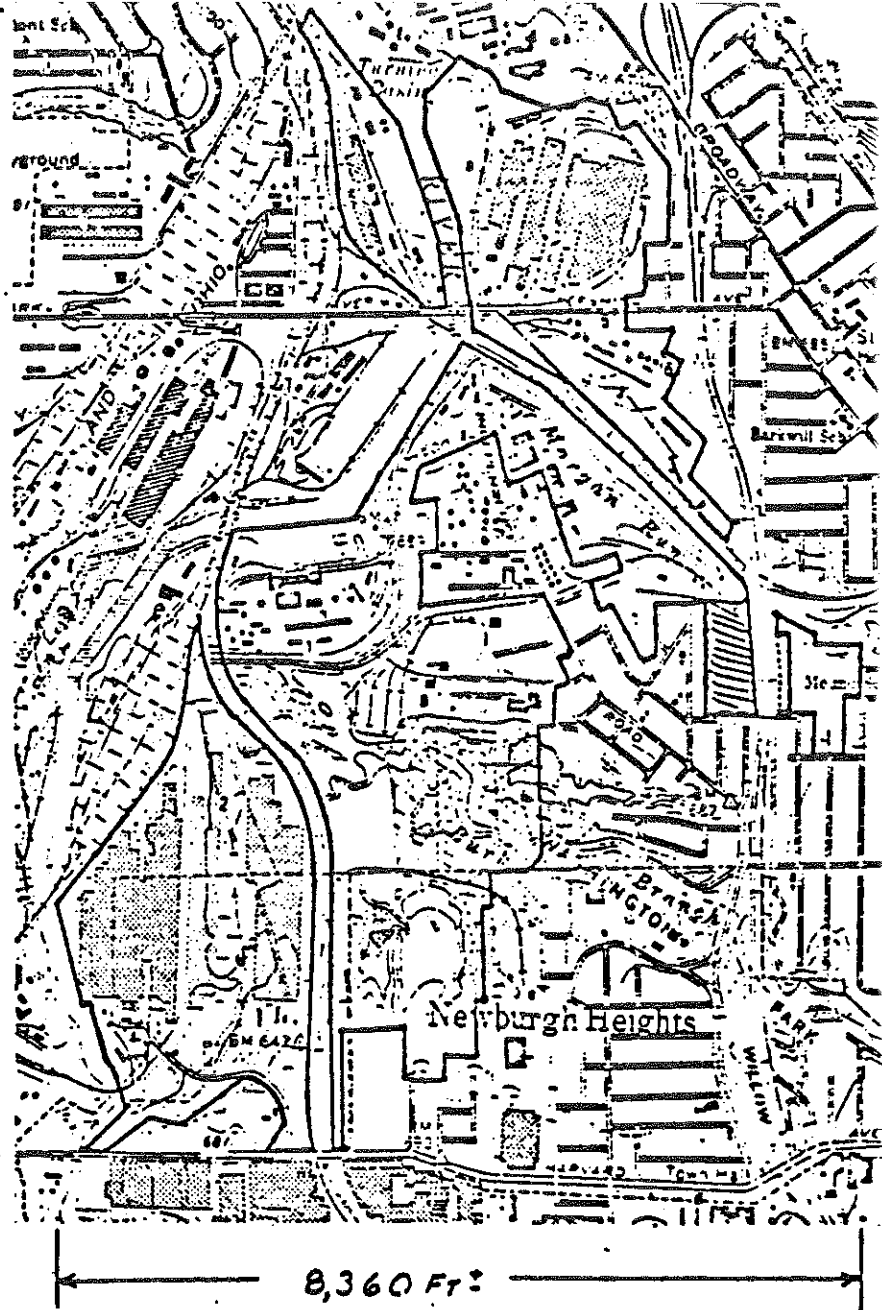
- 1 SUGAR MILL 11' X 33' 2
- 2 84" PICKLER SPENT PICKLE LIQUOR TANKS AREA 19' X 82'
- 3 98" PICKLER SPENT PICKLE LIQUOR TANKS AREA 23' X 125' 2
- 4 PICKLE RINSE WATER NEUTRALIZATION & OXIDATION TANK AREA 68' X 19' 2
- 5 COKE OVEN GAS DESULFURIZATION:
 - DISPOSAL SUMP 12' X 9' 2
 - DRUM STORAGE AREA 21' X 9' 2
- 6 COKE PLANT WATER TREATMENT PLANT 182' X 135' 2

Form 3 ITEM IV (PAGE 1 OF 1)

0186

HAZARDOUS WASTE FACILITY
APPROVAL BOARD
DEC 28 1981
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11,340 FT



8,360 FT

81-HW-0186

- 1 SLUDGE MILL 11' X 33' 2
- 2 84" PICKLER SPENT PICKLE LIQUOR TANKS AREA 19' X 82' 2
- 3 98" PICKLER SPENT PICKLE LIQUOR TANKS AREA 23' X 125' 2
- 4 PICKLE RINSE WATER NEUTRALIZATION & OXIDATION TANK AREA 68' X 19' 2
- 5 COKE OVEN GAS DESULFURIZATION:
• DISPOSAL SUMP 12' X 9' 2
• DRUM STORAGE AREA 21' X 9' 2
- 6 COKE PLANT WATER TREATMENT PLANT 182' X 135' 2

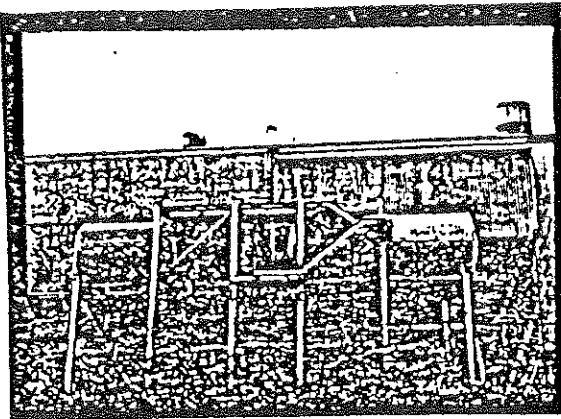
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PUBLIC SPIRIT CLEVELAND DISTRICT
FORM 1 Item 8 4 of 4

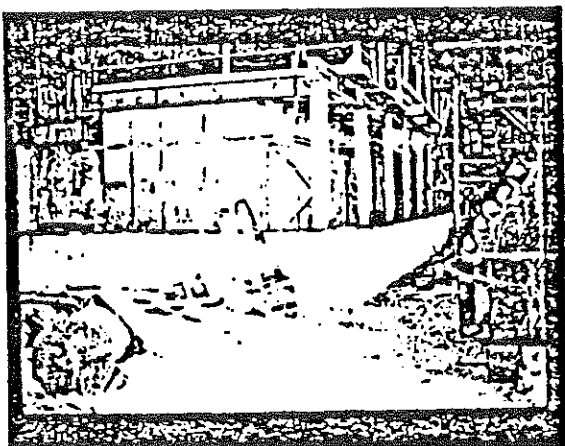
PAGE 4 OF 4

BY EPA Form 257-10 (10-101) DATE 12/31/81

PAGE 4 OF 4



84" PICKLER SPENT PICKLE
LIQUOR STORAGE TANK

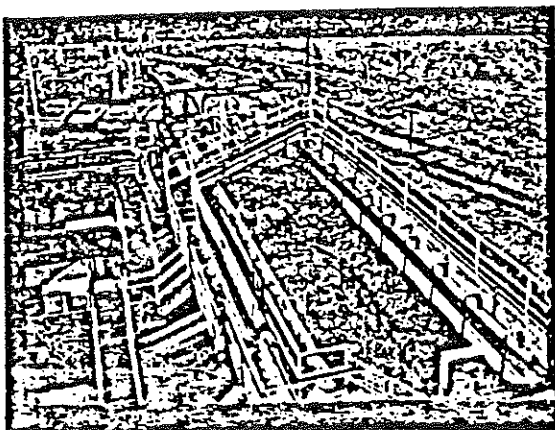


98" PICKLER SPENT PICKLE
LIQUOR STORAGE TANKS

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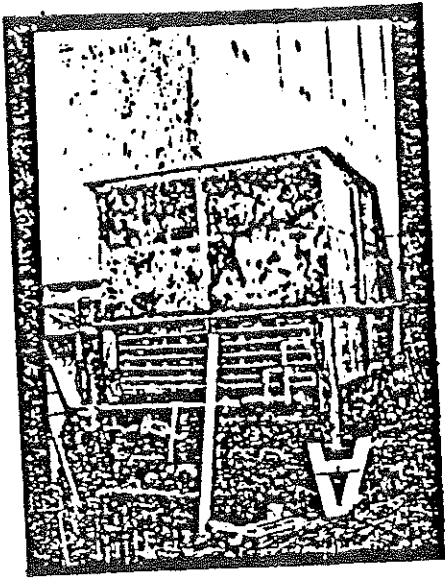
BY ck DATE 12/31/81

HAZARDOUS WASTE FACILITY
APPROVAL BOARD
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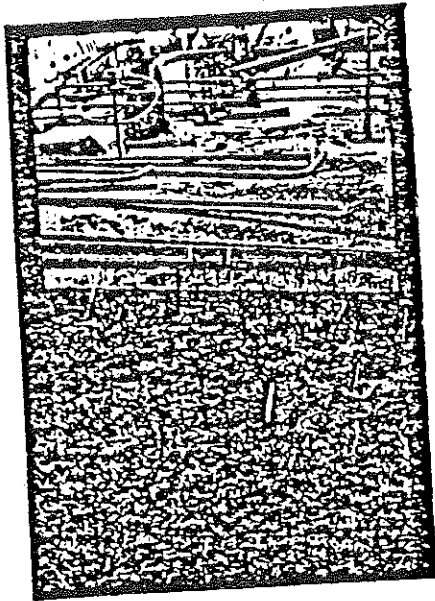


PICKLE RINSE WATER
NEUTRALIZATION AND
OXIDATION TANK

0186



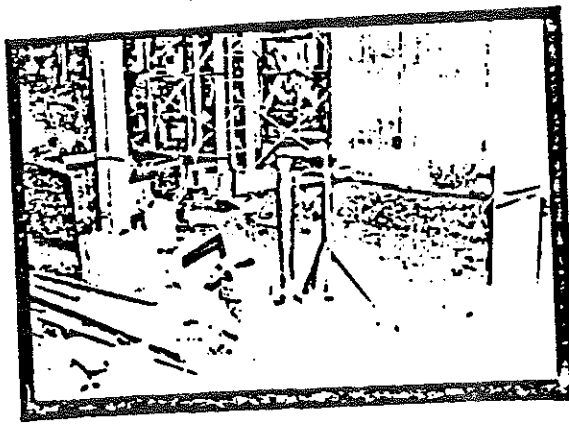
SLUDGE MILL STORAGE



Coke Oven Gas Desulfurization
Disposal Sum

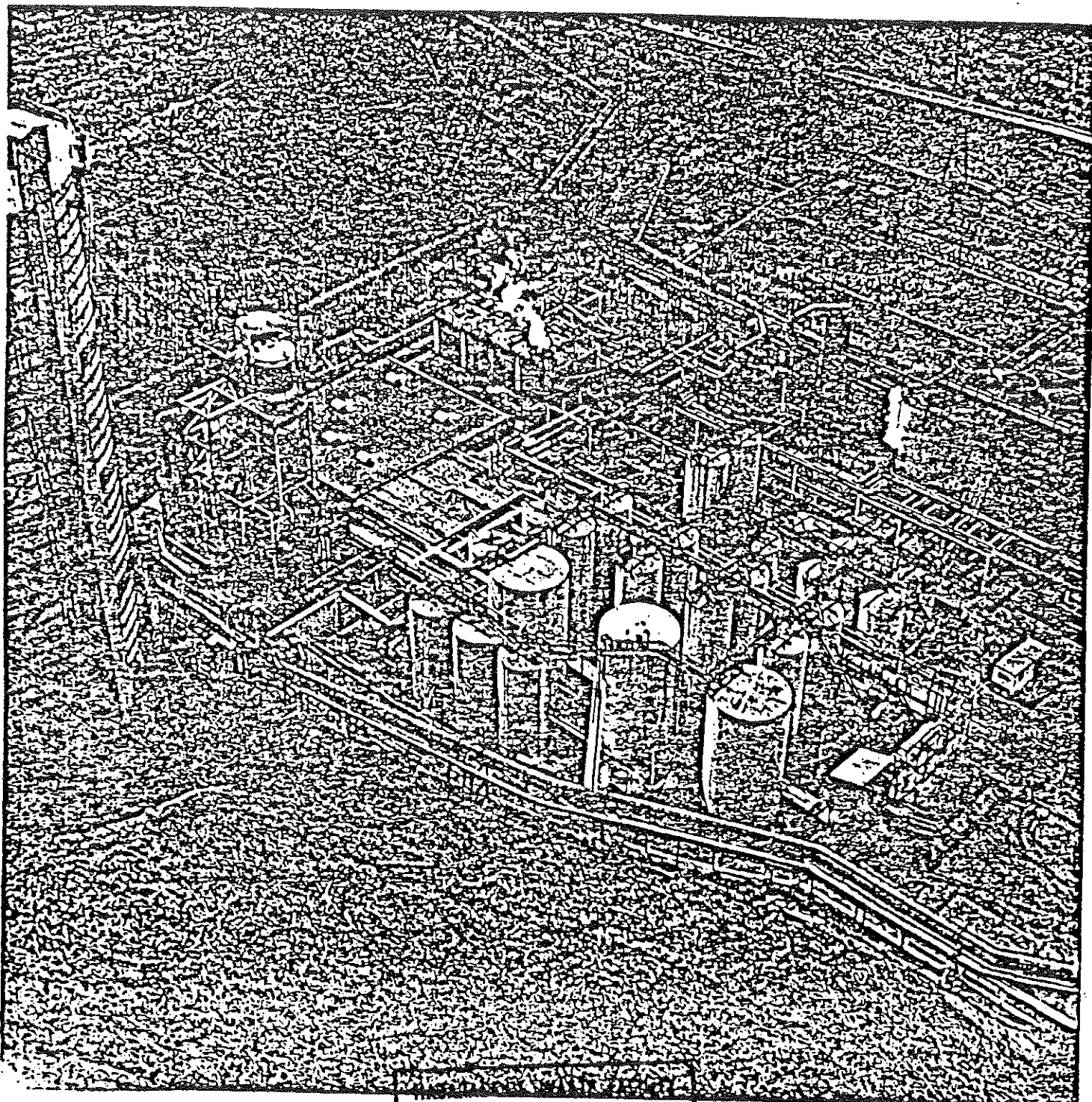
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HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY NR DATE 12/31/81



DRUM STORAGE AREA

HAZARADOUS WASTE FACILITY
APPROVAL BOARD
DEC 28 1981
ENTERED BOARD'S JOURNAL



APPROVAL BOARD

DEC 28 1981

ENTERED BOARD'S JOURNAL

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HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY MR. O. B. J. DATE 12/31/81

CONNELLY PLANT WATER TREATMENT PLANT

SECTION VI (a)(2)

TERMS AND CONDITIONS (General)

1. Only those hazardous wastes as identified by the U.S. EPA Hazardous Waste Number(s) set forth in the approved permit application, attached hereto, may be managed at the facility and only pursuant to the specified processes and design capacities indicated and set forth in the approved permit application.
2. The Permittee and the facility shall comply with all applicable performance standards adopted by the Director of Environmental Protection pursuant to Division (D) of Section 3734.12 of the Revised Code.
3. The Permittee and the facility shall comply with all applicable requirements of Chapter 3734 of the Revised Code, the Ohio Hazardous Waste Rules, and the federal statutes and regulations concerning hazardous waste.
4. This permit shall expire three years after its date of issuance. The date of issuance is the date the resolution to issue the permit was passed by the Board.
5. This permit, in accordance with the procedures of the Board, may be modified, revoked, or alternatively revoked and reissued, to comply with applicable provisions of Chapter 3734 of the Revised Code or the Ohio Hazardous Waste Rules.
6. The annual permit fee, payable to the Treasurer of State, shall be submitted to and received by the Board on or before the anniversaries of the date of issuance, during the term of the permit.
7. Unless otherwise specifically provided, all studies, reports, data, plans and other information required to be submitted by this permit shall be transmitted to:

Hazardous Waste Facility Approval Board
P.O. Box 1049
361 East Broad Street
Columbus, Ohio 43216

The permit number shall be indicated on the transmittal letter.

I CERTIFY THIS COPY TO BE A TRUE AND
ACCURATE COPY OF THE OFFICIAL DOCUMENT
AS FILED IN THE RECORDS OF THE OHIO
HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY

ck

DATE

12/31/81

TERMS AND CONDITIONS (Special)

NOT APPLICABLE

HAZARADOUS WASTE FACILITY
APPROVAL BOARD

DEC 28 1981

ENTERED BOARD'S JOURNAL



RSC PROPERTY LINE
LTV EAST



ATTACHMENT 1-B

Republic Steel Company

Cleveland Plant

WASTE STORAGE TANKS

December 1981

Coal Tar Sludge Mill - #2 Coke Plant	3,070 gallon tank
10 - Recycle Dumpsters	5,290 gallon containers
84" Pickle Line	25,000 gallon tank
(Spent Hydrochloric Acid)	25,000 gallon tank
98" Pickle Line	25,000 gallon tank
(Spent Hydrochloric Acid)	25,000 gallon tank
	25,000 gallon tank
60" Electroplate Line	6,000 gallon tank
(Spent Hydrochloric Acid)	
Desulfurization of COG	18,690 gallon tank
(Liquor and Sludges)	410 gallon tank
	<hr/>
TOTAL	158,460 gallons

27
Ohio EPA

RECEIVED

MAR 28 1985

ENVIRONMENTAL CONTROL DEPT.
CLEVELAND DISTRICT

Re: Permit Change Request

Date of Request: 7/26/82

Date of Receipt: 8/04/82

OH0004218673

Ohio Permit No. 02-18-0186

MAR 27 1985

Republic Steel
Attn: R. L. Nemeth
3100 E. 45th St.
Cleveland, OH 44127

Dear Sir or Madam:

We are in receipt of request(s) for change to your Ohio Hazardous Waste Installation and Operation Permit. Indicated above are the date(s) of your request(s) and the date(s) we received your request(s).

Unfortunately, at the time we received your permit change request(s) there were no rules in effect that allowed either Ohio EPA or the Hazardous Waste Facility Board (HWFB) to act upon those request(s). Consequently, your permit change request(s) were never processed and your permit remains as originally issued.

However, rules are now effective which allow Ohio EPA and the Ohio Hazardous Waste Facility Board (HWFB) to process requests for permit changes. Upon receipt of a request for change, the Ohio EPA will classify the requested change into one of two categories, either a revision or a modification. Basically, a revision is a change to your facility which does not impact the siting criteria contained in Section 3734.05(C)(6) of the Ohio Revised Code such as a facility requesting authority to process or handle wastes which are similar to wastes which they are currently authorized to process or handle. Permit revisions will be processed entirely by Ohio EPA. The package to be submitted for a revision should include a new Part A form, revised as appropriate, specifications and drawings where applicable, and a letter of justification for the change.

Conversely, a modification is a change to your facility which impacts the siting criteria contained in Section 3734.05(C)(6) of the Ohio Revised Code, e.g., a facility which requests authority to conduct regulated activities different from those previously authorized by the permit. Requests classified as modifications will be reviewed by Ohio EPA, but the final determination will be made by the Ohio HWFB. The package for a modification request should include the applicable portions of a Part B application, (including a modified Part A form) and a letter of justification for the change. Please refer to Rule 3745-50-51(B) of the Ohio Administrative Code for further guidance on whether a permit change is a revision or a modification.

Re: Modification Request
Page Two

All requests for change, whether subsequently classified by Ohio EPA as modifications or revisions, should be submitted to:

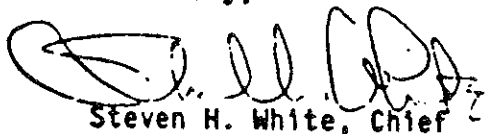
Ohio EPA
Division of Solid and Hazardous Waste Management
Attn: Thomas E. Crepeau, Manager
Data Management Section
P.O. Box 1049
Columbus, Ohio 43216-1049

We are now in a position to consider your request if you wish to pursue a change to your HWFB permit. However, no action will be taken on the above-referenced modification request(s) because of the significant amount of time that has passed since these request(s) were submitted. Therefore, in order to be sure of your present intentions, we request that you resubmit an updated permit change package if you still wish to pursue a change to your permit.

If you do not wish to pursue a change of your original permit, you need not resubmit at this time. In any case, if we do not hear from you we will assume that you no longer desire a change to your permit at this time, and any previous requests of this nature will be voided.

If you have further questions concerning changes to your hazardous waste permit, please contact Bolaji Dosunmu at (614) 462-8388.

Sincerely,



Steven H. White, Chief
Division of Solid and Hazardous Waste Management

SW/ds

cc: D.O.

1118T

Please print or type in the space provided. (fill-in areas are spaced for elite type, i.e., 12 characters/inch). ATTACHMENT 4-A Form Approved OMB No. 158-R0175

FORM 1		U.S. ENVIRONMENTAL PROTECTION AGENCY		I. EPA I.D. NUMBER	
GENERAL		GENERAL INFORMATION		F O H D 0 0 4 2 1 8 6 7 3	
EPA I.D. NUMBER		Consolidated Permits Program		GENERAL INSTRUCTIONS	
III. FACILITY NAME		(Read the "General Instructions" before starting.)		If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except V-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.	
V. FACILITY MAILING ADDRESS		PLEASE PLACE LABEL IN THIS SPACE			
VI. FACILITY LOCATION					

II. POLLUTANT CHARACTERISTICS		INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.	
SPECIFIC QUESTIONS	MARK "X"	SPECIFIC QUESTIONS	MARK "X"
	YES NO FORM ATTACHED		YES NO FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)	X	B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)	X
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X	D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)	X
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)	X
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)	X	H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)	X
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)	X	J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)	X

III. NAME OF FACILITY	
1	SKIP LTV STEEL COMPANY, INC.
IV. FACILITY CONTACT	
A. NAME & TITLE (last, first, & title)	
2	NEMETH, RL SUPT ENVIRON CTRL
B. PHONE (area code & no.)	
216	429 6370
V. FACILITY MAILING ADDRESS	
A. STREET OR P.O. BOX	
3	3100 EAST 45TH STREET
B. CITY OR TOWN	
4	CLEVELAND
C. STATE	
OH	
D. ZIP CODE	
44127	
VI. FACILITY LOCATION	
A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER	
5	3100 EAST 45TH STREET
B. COUNTY NAME	
CUYAHOGA	
C. CITY OR TOWN	
6	CLEVELAND
D. STATE	
OH	
E. ZIP CODE	
44127	
F. COUNTY CODE (if known)	

VII. SIC CODES (4-digit, in order of priority)

A. FIRST				B. SECOND			
7	3	3	1	2	7		
(specify) Integrated Steel Plant				(specify)			
C. THIRD				D. FOURTH			
7				7			
(specify)				(specify)			

VIII. OPERATOR INFORMATION

A. NAME										B. Is the name listed in Item VIII-A also the owner?	
LTV STEEL COMPANY, INC.										<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box: If "Other", specify.)										D. PHONE (area code & no.)					
F = FEDERAL M = PUBLIC (other than federal or state) S = STATE O = OTHER (specify) P = PRIVATE										A 2 1 6 6 2 2 5 0 0 0					

E. STREET OR P.O. BOX										IX. INDIAN LAND					
P O BOX 6 7 7 8										Is the facility located on Indian lands?					
F. CITY OR TOWN										G. STATE		H. ZIP CODE		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
CLEVELAND										OH		4 4 1 0 1			

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)										D. PSD (Air Emissions from Proposed Sources)									
9 N O H 0 0 0 0 9 5 7										9 P									
B. UIC (Underground Injection of Fluids)										E. OTHER (specify)									
9 U										(specify)									
C. RCRA (Hazardous Wastes)										F. OTHER (specify)									
9 R O H D 0 0 4 2 1 8 6 7 3										(specify)									

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

Integrated Steel Plant producing zinc coated sheets and coil; bar products; hot rolled coil and strip; cold rolled coil and strip; coke plant by-products, and merchant iron.

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)		B. SIGNATURE		C. DATE SIGNED	
W. G. Wiley, Jr. Vice President Flat Rolled		WG Wiley 4/26/84			

COMMENTS FOR OFFICIAL USE ONLY

--	--	--	--	--	--	--	--	--	--



OFFICIAL USE ONLY

DATE RECEIVED
(yr, mo., & day)

EXISTING OR REVISED APPLICATION

Mark "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's I.D. Number in Item I above.

EXISTING APPLICATION (place an "X" below and provide the appropriate date)
1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

2. NEW FACILITY (Complete item below.)
FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

REVISED APPLICATION (place an "X" below and complete item I above)
1. FACILITY HAS INTERIM STATUS

PROCESSES - CODES AND DESIGN CAPACITIES

PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.
AMOUNT - Enter the amount.
UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS		T04	GALLONS PER DAY OR LITERS PER DAY
LANDFILL	D79	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)		
INJECTION WELL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			
UNIT OF MEASURE			UNIT OF MEASURE		
GALLONS	G		ACRE-FEET	A	
LITERS	L		HECTARE-METER	F	
CUBIC YARDS	Y		ACRES	B	
CUBIC METERS	C		HECTARES	Q	
GALLONS PER DAY	U				
UNIT OF MEASURE			UNIT OF MEASURE		
LITERS PER DAY	V				
TONS PER HOUR	D				
METRIC TONS PER HOUR	W				
GALLONS PER HOUR	E				
LITERS PER HOUR	H				

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

DUP

LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEA- SURE (enter code)				1. AMOUNT	2. UNIT OF MEA- SURE (enter code)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 2	75,000	G		7				
	S 0 2	50,000	G		8				
3	S 0 2	21,000	G		9				
4	S 0 1	529	G		10				

II. PROCESSES (continued)
SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

- A. EPA HAZARDOUS WASTE NUMBER** - Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. ESTIMATED ANNUAL QUANTITY** - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE** - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS.....	P	KILOGRAMS.....	K
TONS.....	T	METRIC TONS.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

- 1. PROCESS CODES:**
For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.
Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).
- 2. PROCESS DESCRIPTION:** If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- 2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

V. DESCRIPTION OF HAZARDOUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)													
F	O	H	D	0	0	4	2	1	8	6	7	3	6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

41° 28' 14" W

081° 40' 05" N

VIII. FACILITY OWNER

- ☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER				2. PHONE NO. (area code & no.)			
E				93 94 95 96 97 98 99			
3. STREET OR P.O. BOX				4. CITY OR TOWN		5. ST.	
F				G		6. ZIP CODE	
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99							

IX. OWNER CERTIFICATION

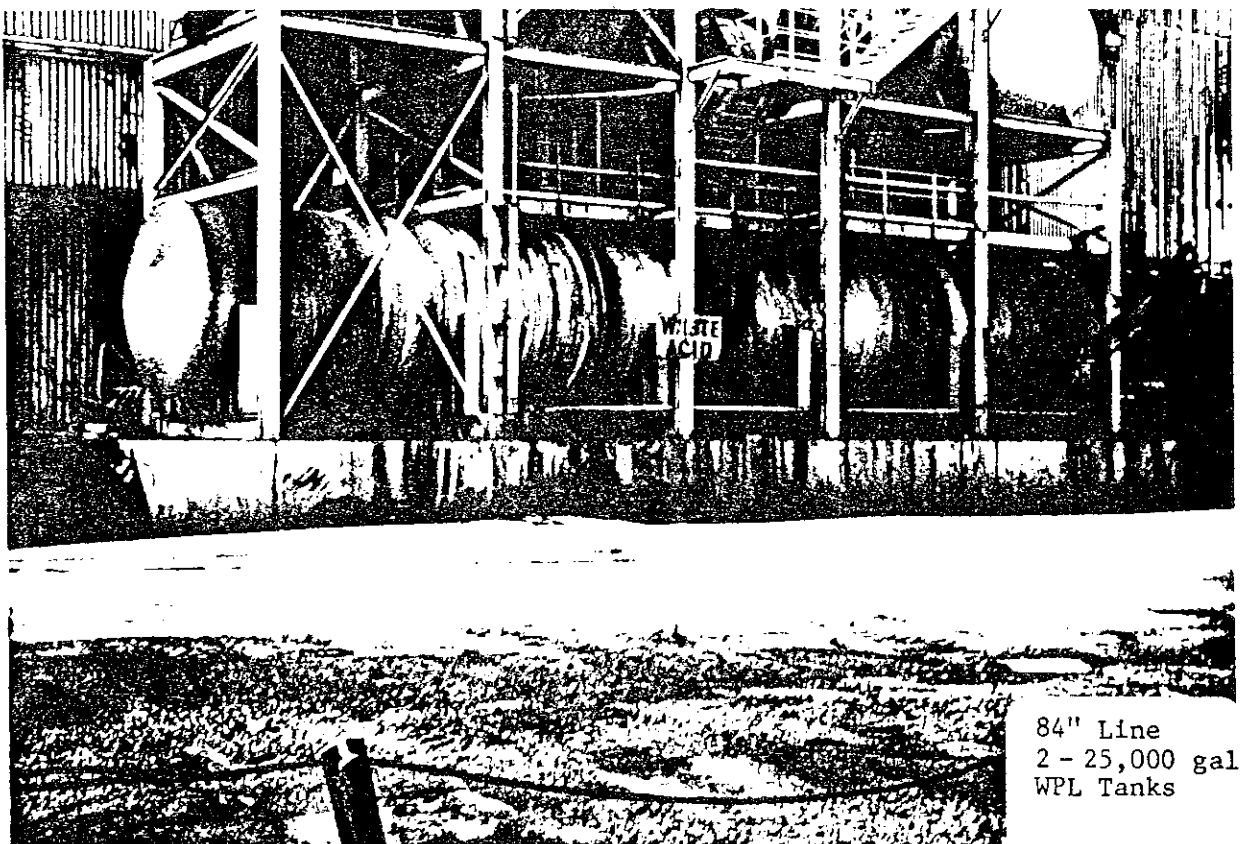
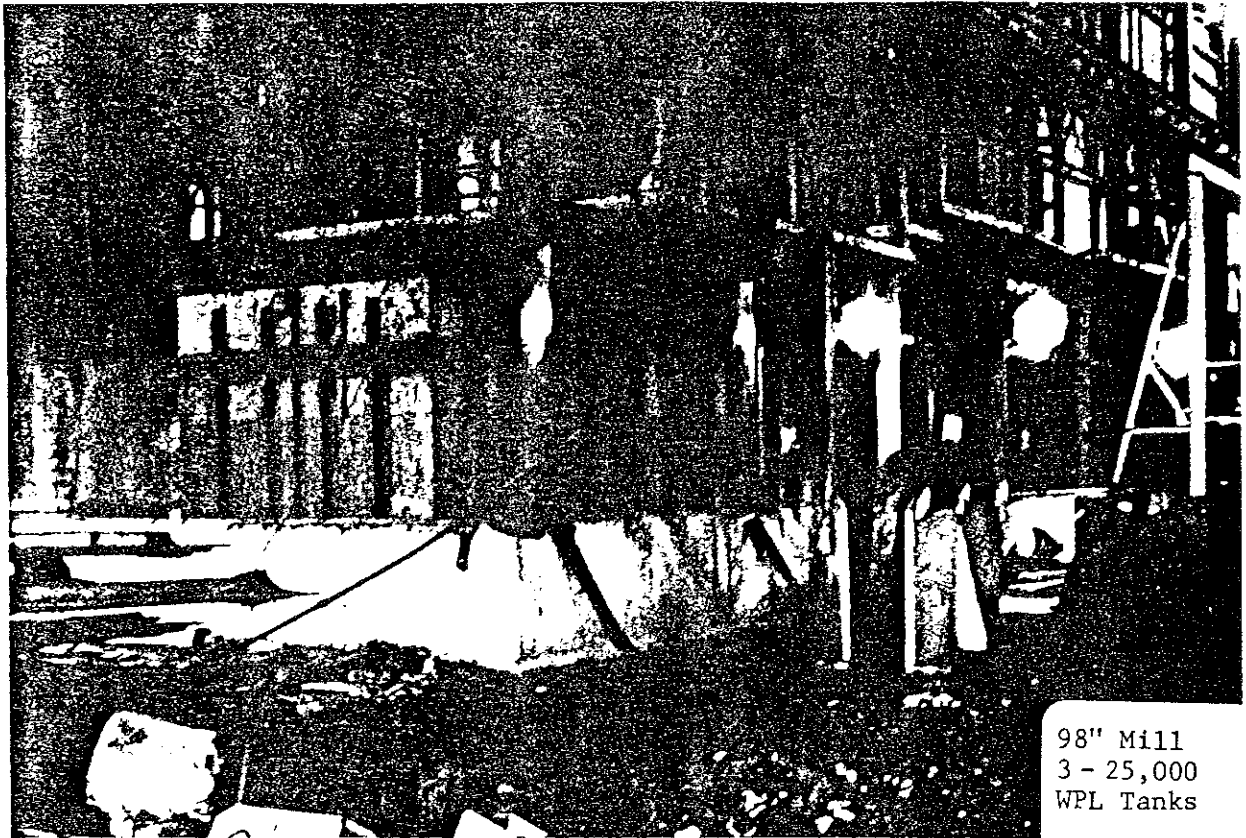
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

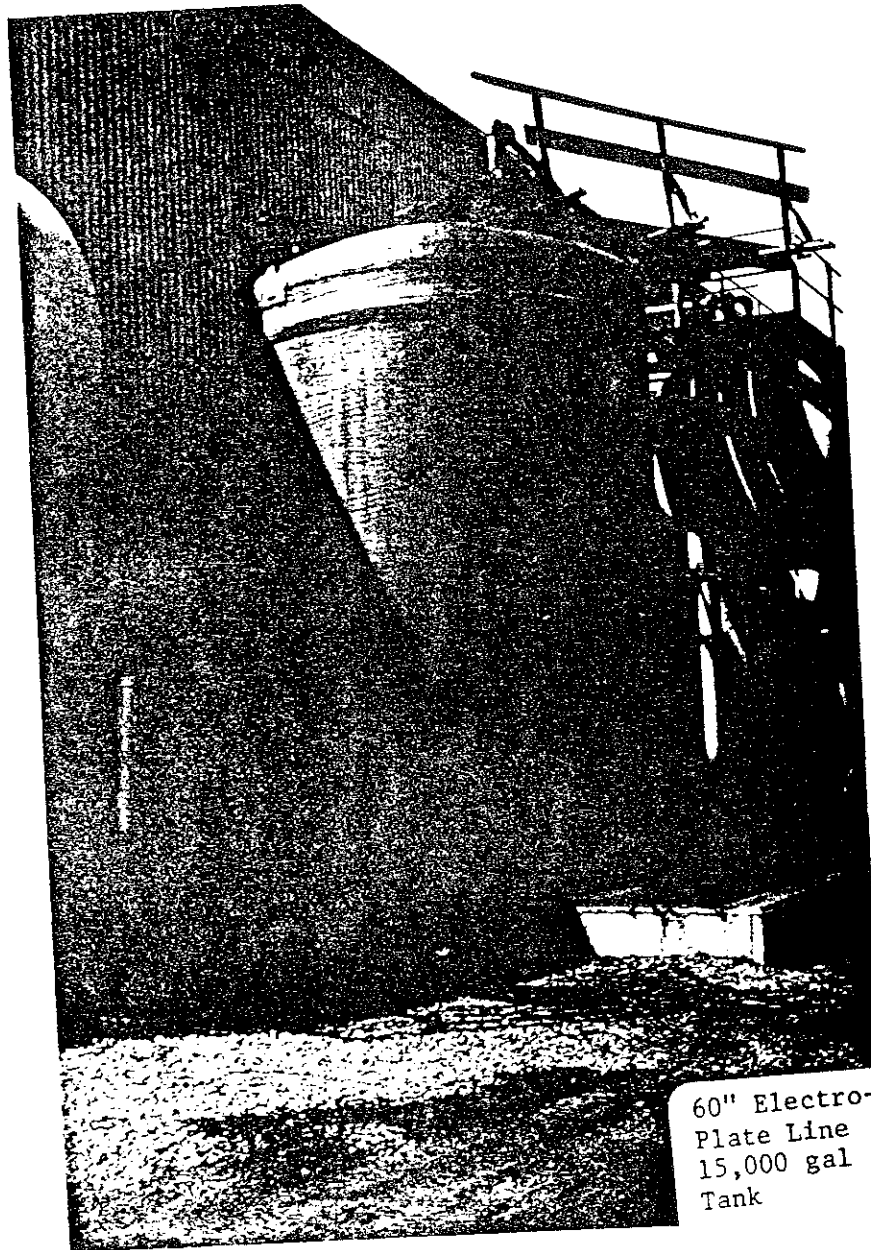
A. NAME (print or type)		B. SIGNATURE	C. DATE SIGNED
W. G. Wiley, Jr. Vice President Flat Rolled		WG Wiley, Jr.	4/28/86

X. OPERATOR CERTIFICATION

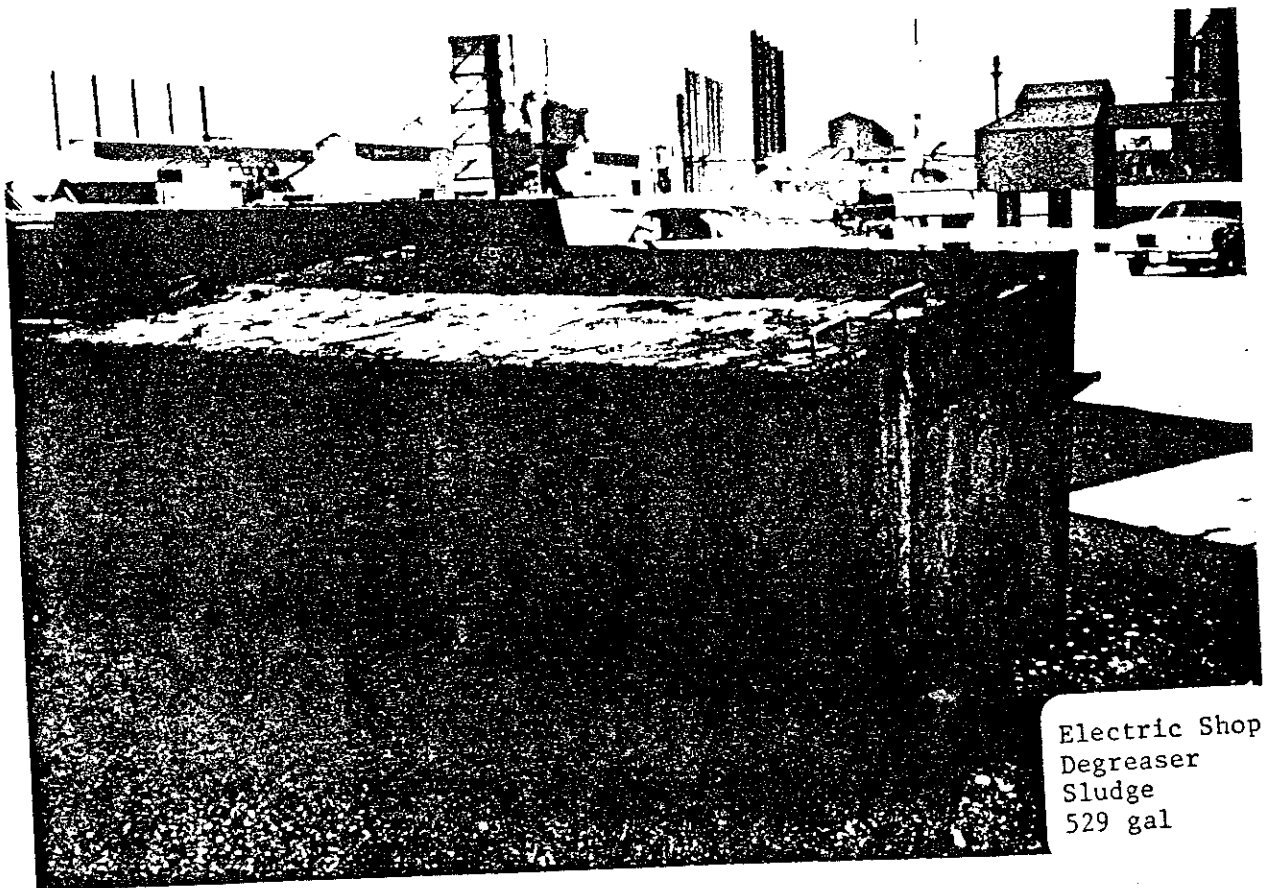
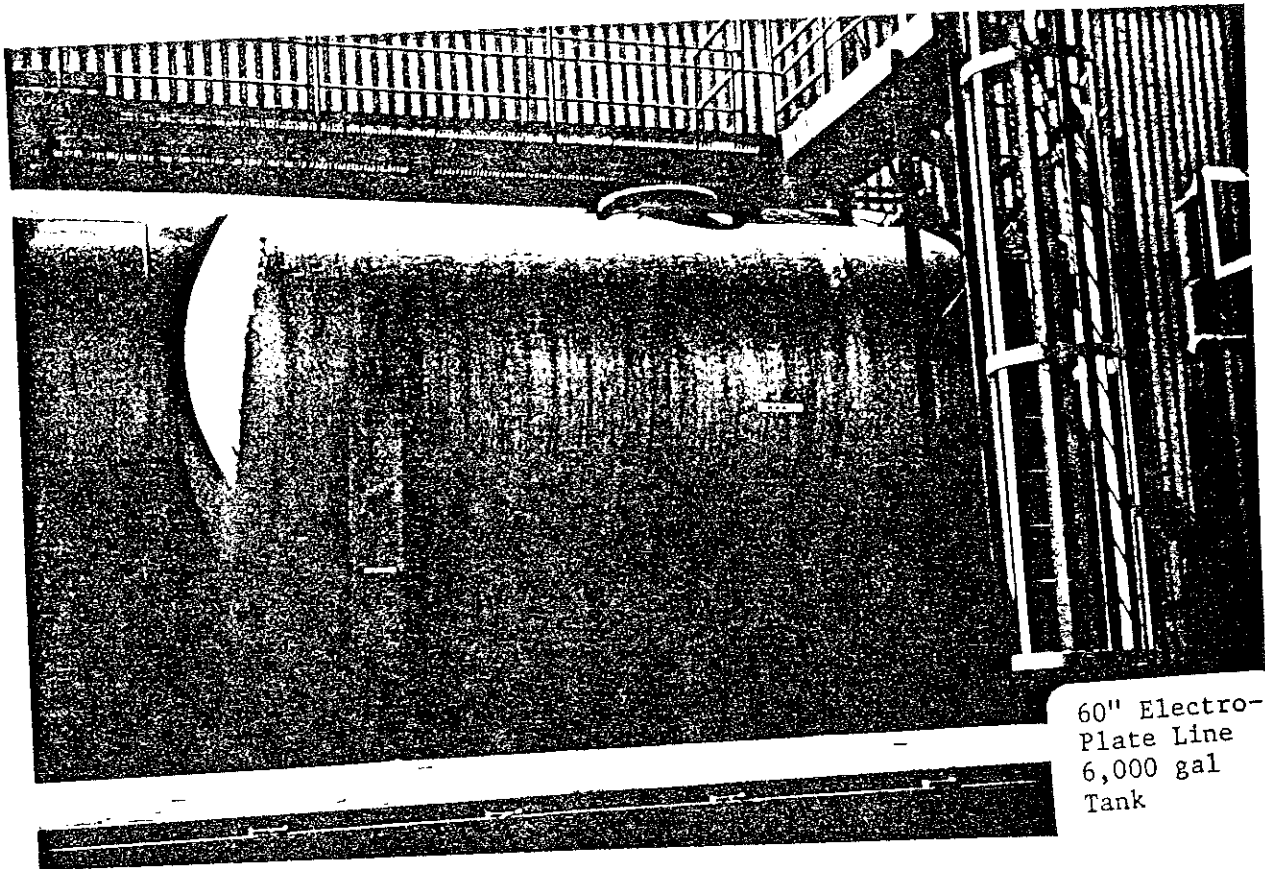
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED





60" Electro-
Plate Line
15,000 gal
Tank



ATTACHMENT 3-A

LTV Steel Company, Inc.

Cleveland (East) Works

WASTE STORAGE TANKS

April 1986

84" Pickle Line	25,000 gallon tank
(Spent Hydrochloric Acid)	25,000 gallon tank
60" Electroplate Line	15,000 gallon tank
(Spent Hydrochloric Acid)	6,000 gallon tank
Electric Repair Shop	529 gallon container
(Degreaser Sludge)	
TOTAL	71,529 gallons

"GENERATOR ACCUMULATING WASTE ON-SITE IN COMPLIANCE WITH 40 CFR 262.34"

(APPLICABLE TO FACILITIES WHICH, AS OF NOVEMBER 19, 1980, HAVE BEEN
STORING WASTES IN CONTAINERS AND/OR TANKS ONLY)

Facility Name: LTV Steel Company, Inc.
Facility Location: Cleveland (East) Works
Mailing Address: 3100 East 45th Street
Cleveland, OH 44127
U.S. EPA ID No.: OHD 004 218 673

1. I certify, in reference to the above-named facility, that a complete and accurate description of the activities currently conducted, for purposes of the Resource Conservation and Recovery Act (RCRA), are those of a generator accumulating waste on-site, in compliance with 40 CFR 262.34. This description of activities shall be considered effective as of

April 15, 1986

(Please type, in above space: today's date,
or other appropriate past date)

2. I certify that all hazardous waste which had been stored at this facility for greater than 90 days have been permanently removed, and -- for that portion of the wastes that were present on-site on or after November 19, 1980 -- the manifest requirements of 40 CFR Part 262 have been complied with, and all manifests are on file at this facility, available for inspection by authorized State and Federal officials.
3. I finally certify under penalty of law that I have personally examined, and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

W. G. Wiley, Jr.

W. G. Wiley, Jr.
Vice President
Flat Rolled

4/20/86

Signature

Typed Name and Title

Date

(Please have appropriate official, per 40 CFR 270.11, sign and date)

Spill Certification Statement

I certify under penalty of law that no reportable spills occurred in the area where hazardous waste was stored during the RCRA storage period. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the above statement is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

OHD 004 218 673

Permit No.

LTV Steel Company, Inc.Cleveland (East) Works

Facility Name

W. G. Wilby

Signature of Executive Officer

Vice President Flat RolledLTV Steel Company, Inc.4/29/86

Date

LTV STEEL COMPANY, INC.
CLEVELAND WORKS - EAST
HAZARDOUS WASTE MANAGEMENT

This procedure is established to ensure that no accumulation of hazardous waste occurs in the below listed storage tanks and containers for greater than 90 days.

1. Within every 90 days, the responsible department will empty their hazardous waste storage tanks or containers.
2. A record of this emptying will be made in the department permanent log.
3. The department Superintendent will send verification of this activity to the Cleveland Works Environmental Control Department. Verification will be a copy of permanent log indicating the date this activity was performed.
4. Cleveland Works Environmental Control will maintain a file of the verifications. Also in this file will be copies of the procedures utilized to empty the tanks and containers.
5. This procedure will commence April 1, 1986.

The storage tanks and containers involved are as follows:

1. Waste Acid Tanks - 84" Pickle Line
(2 - 25,000 gallon)
2. Waste Acid Tanks - 60" Electroplate Line
(1 - 15,000 gallon)
(1 - 6,000 gallon)
3. Degreaser Sludge Container - Electric Repair Shop
(1 - 529 gallon)

This procedure may be adjusted as necessary at any time.

LTV STEEL COMPANY, INC. - CLEVELAND WORKS
E.P.A. IDENTIFICATION NO. OHD 004 218 673
HWFAB NUMBER 02-18-0186
TANK CLOSURE PLAN
APRIL 28, 1986

The LTV Steel Company, formerly Republic Steel Corporation, is planning to close three spent pickle liquor tanks. The following closure plan has been developed utilizing the Draft Review Guidance document (12-10-85) provided by the Ohio E.P.A.

1. DESCRIPTION OF FACILITY

LTV Steel Company, Inc., Cleveland Works - East, is a basic flat rolled steel producer located at 3100 East 45th Street, Cleveland, Ohio. The three (3) spent pickle liquor tanks are associated with the 98" Pickle Line, whose operations were suspended in July 1984.

2. DESCRIPTION OF WASTE MANAGEMENT UNITS TO BE CLOSED

Each of the tanks is rubber lined steel, with a capacity of 25,000 gallons. The material stored in these tanks was spent hydrochloric pickle liquor, K062. These tanks are identified on Revised Part A Application dated 4/28/86, Section III C, Line 1.

3. MAP OF FACILITY

A plant location map is attached.

4. DETAILED DRAWING OF UNIT(S) TO BE CLOSED

The following detailed drawings of the tanks are attached:

64491	(1-16-68)	Foundation Location
SK-11370	(1-16-67)	Tank Detail (Typical)

5. LIST OF HAZARDOUS WASTE

Spent hydrochloric pickle liquor (K062) was the only waste stored in these tanks. The maximum potential storage capacity was 75,000 gallons. The tanks are presently empty.

6. SCHEDULE FOR CLOSURE

See Item 9 and Item 15.

7. AIR EMISSIONS

Not Applicable

8. PERSONNEL SAFETY AND FIRE PREVENTION

All wastes and materials used in this procedure are enclosed in pipelines, sealed vacuum trucks or tankers. There is minimal potential for exposure to personnel. However, established plant safety procedures are utilized in handling of acids and caustics, including the use of personal protective safety equipment where applicable.

9. DECONTAMINATION EFFORTS

The steps for decontamination are as follows:

- a. Vacuum any liquids and solids from the tanks. Transport this material to the LTV Steel Regeneration Plant in Warren, Ohio.
- b. Rinse the tanks with water. Remove and transport this rinse to the rinse water system at the Strip Mill Water Treatment Plant, a NPDES facility.
- c. Fill the tanks with water. Pump this water to the Strip Mill Water Treatment Plant. Continue this process until the pH of the water is above 7.0.

NOTE: Because the building in which the tanks are located is not heated, the above steps were completed in November 1985. These steps were taken to prevent the possibility of freeze damage to the tanks.

- d. Fill the tanks with lime slurry. Remove this slurry to the Strip Mill Water Treatment Plant EGL system where it will be used for pH control.
- e. Rinse tanks with water and direct to the Strip Mill Water Treatment Plant. Test this rinse for pH and metals of concern.
- f. Rinse inlet pipes with 20 percent sodium hydroxide. Transport this material to the Strip Mill Water Treatment Plant for pH control.
- g. Rinse inlet pipes with water. Pump this rinse to the Strip Mill Water Treatment Plant.
- h. Blank tank inlets.

Refer to Item 15.

10. "CLEAN" LEVELS FOR SOIL

As these tanks are mounted on a diked concrete pad, soil contamination considerations are not applicable.

11. SAMPLING PLAN AND ANALYTICAL METHODS

There is no record of any reportable quantity spills from this facility.

12. DESCRIPTION OF REMOVAL EFFORTS

Not Applicable

13. SPECIFICS FOR LANDFILL CLOSURES

Not Applicable

14. DESCRIPTION OF EQUIPMENT CLEANING

H&H Industrial, an industrial cleaning specialist, has been contracted to perform all of the steps for decontamination.

15. CERTIFICATION

R. E. Warner & Associates, Consulting Engineers, 2130 West Park Drive, Lorain, Ohio 44053, have been retained to provide any and all necessary engineering services. Certification of closure will be provided by LTV Steel Company, Inc. and R. E. Warner & Associates within 30 days of completion of closure.

16. STATUS OF FACILITY AFTER CLOSURE

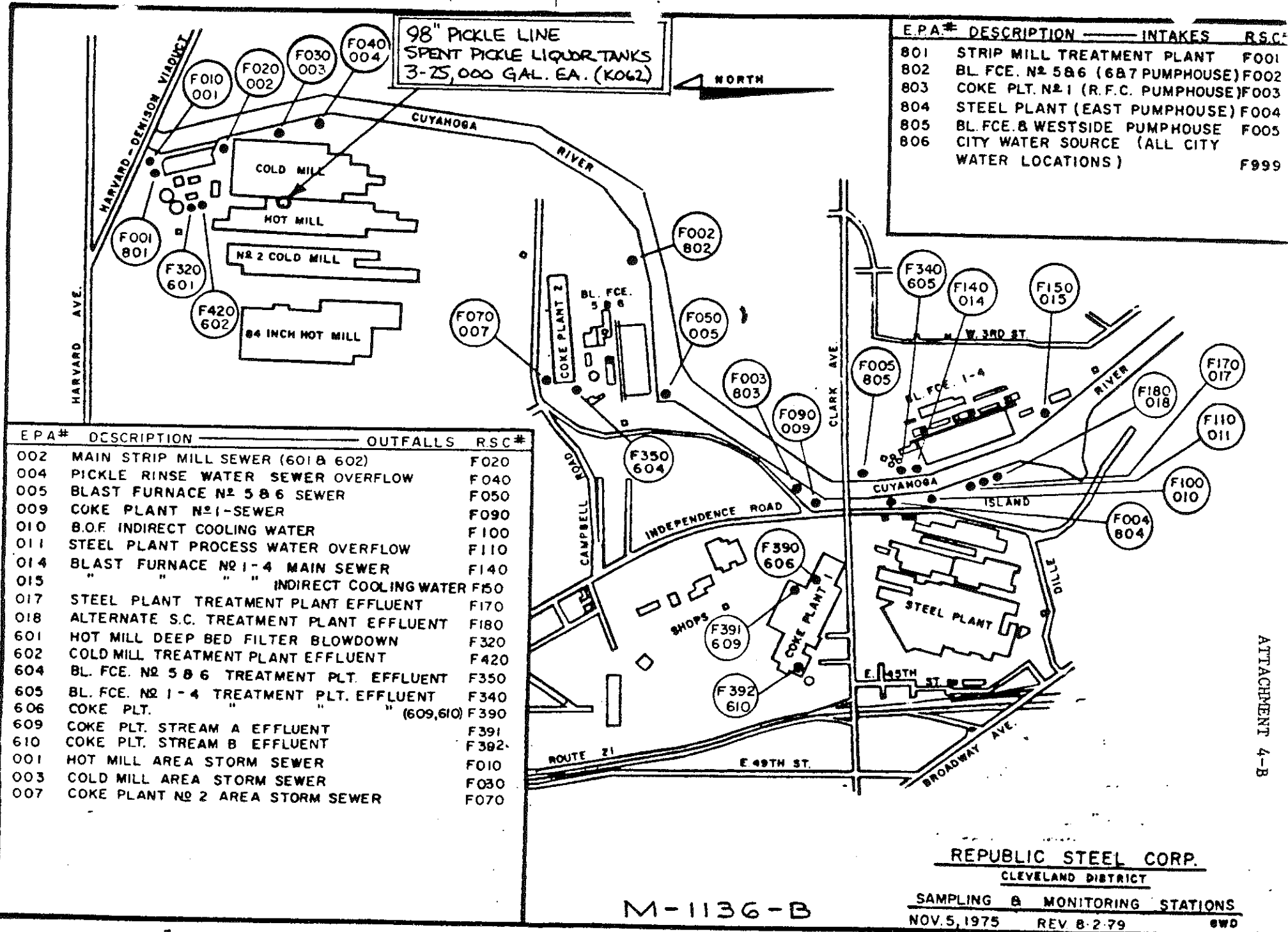
After closure, the tanks will remain in place.

17. NUMBER OF COPIES OF PLAN

Three (3) copies of this plan are being submitted to Thomas Crepeau, Ohio E.P.A., Division of Solid and Hazardous Waste Management, Data Management Section, P.O. Box 1049, Columbus, Ohio 43266-0149.

18. CLOSURE REGULATIONS

Not Applicable.



3" FLANGED INLET 2" FLGD. VENT

20" FLGD. MANHOLE & COVER

3" FLANGED OUTLET

APPROX. CAPACITY - 25,000 GAL.

PLAN
(3-REQ'D)

35'-0

6 EXTERIOR STIFFENERS
(3 EA. SIDE) 4" x 1/2" PL
CUT @ 60° TOP & BOTT.

ELEVATION

MIN. 3/8" PL

6" WF @ 5'-0" CENTERS

10'-0

NOTE:

FOR LIQUID CONSISTING OF:

0.5-10% FREE HYDROCHLORIC ACID

20-25% FERROUS CHLORIDE

70-75% WATER

UP TO 210°F MAX. TEMPERATURE

CONSTRUCTION:

STEEL-RUBBER LINED

ATTACHMENT 4-C

(Tank Detail)

C.B./js.

THIS DRAWING IS LOANED WITH THE EXPRESSED AGREEMENT THAT THE DRAWING AND INFORMATION THEREIN CONTAINED ARE THE PROPERTY OF REPUBLIC STEEL CORPORATION AND WILL NOT BE REPRODUCED, COPIED, OR OTHERWISE DISPOSED OF, DIRECTLY OR INDIRECTLY, AND WILL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN MAKING OR TO FURNISH ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS OR OTHER REPRODUCTIONS HEREOF, OR FOR THE MAKING OF APPARATUS OR PARTS THEREOF, EXCEPT UPON WRITTEN PERMISSION OF REPUBLIC STEEL CORPORATION FIRST OBTAINED AND SPECIFIC AS TO EACH CASE. THE ACCEPTANCE OF THIS DRAWING WILL BE CONSTRUED AS AN ACCEPTANCE OF THE FOREGOING AGREEMENT.

STRIP MILL - HCl PICKLE LINES

STREAM & AIR POLLUTION - APPROX. 8506

HYDROCHLORIC ACID STORAGE TANKS

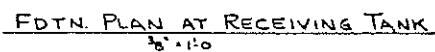
REPUBLIC STEEL CORPORATION
CLEVELAND DISTRICT

SCALE
NONE

DATE

1-18-67

SK-11370



ATTACHMENT 4-C
(Foundation Location)

LTV Steel Company

bcc: J. L. Bush
H. R. Clagg
L. E. Larson
R. P. Muhlhan
R. L. Nemeth
J. V. Stack
M. A. Suhoza
W. L. West
W. G. Wiley
R. C. Windahl
T. A. Zalenski

January 27, 1986

Certified Mail-Return Receipt Requested

U.S. EPA
Region V
Post Office Box A3587
Chicago, Illinois 60604

Ohio EPA
Post Office Box 1049
Columbus, Ohio 43216-1049

Attn: RCRA Activities

Attn: Division of Solid and Hazardous
Waste Management

Re: LTV Steel Company, Inc.
Cleveland (East) Works
EPA I.D. No. OHD 004218673

Gentlemen:

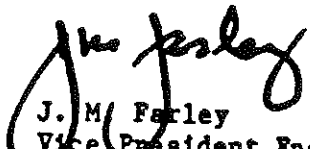
Pursuant to the requirements of 50 FR 49164 (November 29, 1985), LTV Steel Company, Inc. is hereby filing a subsequent notification of its burning activities under section 3010 of RCRA.

At the above referenced facility, LTV Steel Company, Inc. presently burns hazardous waste fuel (Cadence Product 312) in blast furnace(s) which are "industrial furnace(s)" under the definitions in 40 CFR 260.10. In addition, this facility also burns both specification and off-specification used oil fuels in steel plant combustion facilities which are "industrial boilers" and/or "industrial furnaces" as defined in 40 CFR Part 260.10.

LTV Steel Company, Inc. does not intend to store hazardous waste fuel (Cadence Product 312) prior to burning. Thus, this notification is for the burning of hazardous waste fuel and not a notice, prerequisite for interim status, for storage.

Should you have any questions, please contact Mr. L. A. Szuhay at 216-429-6475.

Very truly yours,


J. M. Farley
Vice President Engineering

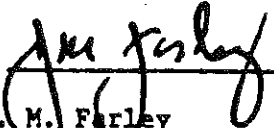
JMF/fh

1554a

*Cadence Product
312 was
never a hazardous
waste when
utilized at LTV Steel
facility per
to 415 EPC
regulation*

Certification Statement

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.


J. M. Farley
Vice President Engineering
LTV STEEL Co., Inc.

JAN 28, 1986
Date

54
Republicsteel

Republic Steel Corporation
Cleveland District
3100 East 45th Street
Cleveland OH 44127

October 6, 1983

Mr. David N. Wertz
Ohio E.P.A.
Northeast District Office
Division of Hazardous Material Management
2110 East Aurora Road
Twinsburg, Ohio 44087

Dear Mr. Wertz:

Subject: REPUBLIC STEEL CORPORATION - CLEVELAND DISTRICT
HAZARDOUS WASTE FACILITY INSPECTION

The following is provided as documentation for correction of the violations and/or concerns noted from your inspection of the Cleveland District facility on August 3, 1983:

- Do
record
found
- Item 1 Refer to response sent to your office by Mr. D. M. Gubanc of Republic Steel with regard to this item.
- Item 2 The tar decanter sludge boxes have been marked with the wording "Hazardous Waste", and the Electric Shop degreaser sludge container has been fitted with a placard for indicating accumulation date. The tar decanter sludge boxes have been marked with the wording "rotated daily", to fulfill the accumulation date requirement.
- Item 3 A maximum liquid level indicator has been installed at the sludge mill feed tank to allow for a minimum freeboard of two-feet. A checkoff of this minimum freeboard is included in the daily inspection log of this equipment.
- Item 4 A separate log book has been instituted at the Electric Shop for recording the weekly inspection of the degreaser sludge container.

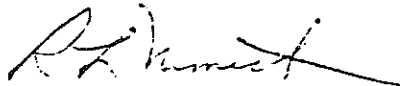
Mr. Wertz
October 6, 1983
Page 2

Item 5 The Contingency Plan section of the Hazardous Waste Administrative Plan is currently under review to include a more detailed description of emergency equipment specifics and location. The revised section will be forwarded to your attention when completed.

I trust that this answers your request. Please advise if you have further questions regarding this matter.

Very truly yours,

REPUBLIC STEEL CORPORATION



R. L. Nemeth
Superintendent
Environmental Control

RLN:db

bcc: J. P. Charles	R. H. Tindal
J. F. Carter	D. P. Thompson
H. R. Clagg	R. Flandermeyer
J. O. Stright	R. P. Callihan
G. H. Mautz	M. S. Hross
J. J. Zamborsky	S. P. Kurilko
A. C. Zaruba	T. M. Girdler
E. T. John	M. A. Vanek
W. L. West	S. Rihtar
<input checked="" type="checkbox"/> M. Gubanc	M. A. Kall
J. A. McKinney	File: 0.55.0-154.02

418
Ohio EPA

RECEIVED

MAR 28 1985

ENVIRONMENTAL CONTROL DEPT.
CLEVELAND DISTRICT

Re: Permit Change Request

Date of Request: 7/26/82

Date of Receipt: 8/04/82

OHD004218673

Ohio Permit No. 02-18-0186

MAR 27 1985

Republic Steel
Attn: R. L. Nemeth
3100 E. 45th St.
Cleveland, OH 44127

Dear Sir or Madam:

We are in receipt of request(s) for change to your Ohio Hazardous Waste Installation and Operation Permit. Indicated above are the date(s) of your request(s) and the date(s) we received your request(s).

Unfortunately, at the time we received your permit change request(s) there were no rules in effect that allowed either Ohio EPA or the Hazardous Waste Facility Board (HWFB) to act upon those request(s). Consequently, your permit change request(s) were never processed and your permit remains as originally issued.

However, rules are now effective which allow Ohio EPA and the Ohio Hazardous Waste Facility Board (HWFB) to process requests for permit changes. Upon receipt of a request for change, the Ohio EPA will classify the requested change into one of two categories, either a revision or a modification. Basically, a revision is a change to your facility which does not impact the siting criteria contained in Section 3734.05(C)(6) of the Ohio Revised Code such as a facility requesting authority to process or handle wastes which are similar to wastes which they are currently authorized to process or handle. Permit revisions will be processed entirely by Ohio EPA. The package to be submitted for a revision should include a new Part A form, revised as appropriate, specifications and drawings where applicable, and a letter of justification for the change.

Conversely, a modification is a change to your facility which impacts the siting criteria contained in Section 3734.05(C)(6) of the Ohio Revised Code, e.g., a facility which requests authority to conduct regulated activities different from those previously authorized by the permit. Requests classified as modifications will be reviewed by Ohio EPA, but the final determination will be made by the Ohio HWFB. The package for a modification request should include the applicable portions of a Part B application, (including a modified Part A form) and a letter of justification for the change. Please refer to Rule 3745-50-51(3) of the Ohio Administrative Code for further guidance on whether a permit change is a revision or a modification.

Re: Modification Request
Page Two

All requests for change, whether subsequently classified by Ohio EPA as modifications or revisions, should be submitted to:

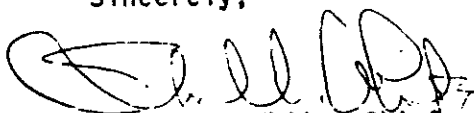
Ohio EPA
Division of Solid and Hazardous Waste Management
Attn: Thomas E. Crepeau, Manager
Data Management Section
P.O. Box 1049
Columbus, Ohio 43216-1049

We are now in a position to consider your request if you wish to pursue a change to your HWFB permit. However, no action will be taken on the above-referenced modification request(s) because of the significant amount of time that has passed since these request(s) were submitted. Therefore, in order to be sure of your present intentions, we request that you resubmit an updated permit change package if you still wish to pursue a change to your permit.

If you do not wish to pursue a change of your original permit, you need not resubmit at this time. In any case, if we do not hear from you we will assume that you no longer desire a change to your permit at this time, and any previous requests of this nature will be voided.

If you have further questions concerning changes to your hazardous waste permit, please contact Bolaji Dosunmu at (614) 462-8388.

Sincerely,



Steven H. White, Chief
Division of Solid and Hazardous Waste Management

SW/ds

cc: D.O.

1118T

GENERAL INFORMATION
Consolidated Permit Program
(Read the "General Instructions" before starting.)

FOH D 004218673

I. EPA I.D. NUMBER	
II. FACILITY NAME	
V. FACILITY MAILING ADDRESS	
VI. FACILITY LOCATION	

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK "X"			SPECIFIC QUESTIONS	MARK "X"		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		No	D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP REPUBLIC STEEL CLEVELAND DISTRICT

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)		B. PHONE (area code & no.)	
2	AGUIER L SUPT ENVIR CONTROL	216	622 6370

V. FACILITY MAILING ADDRESS

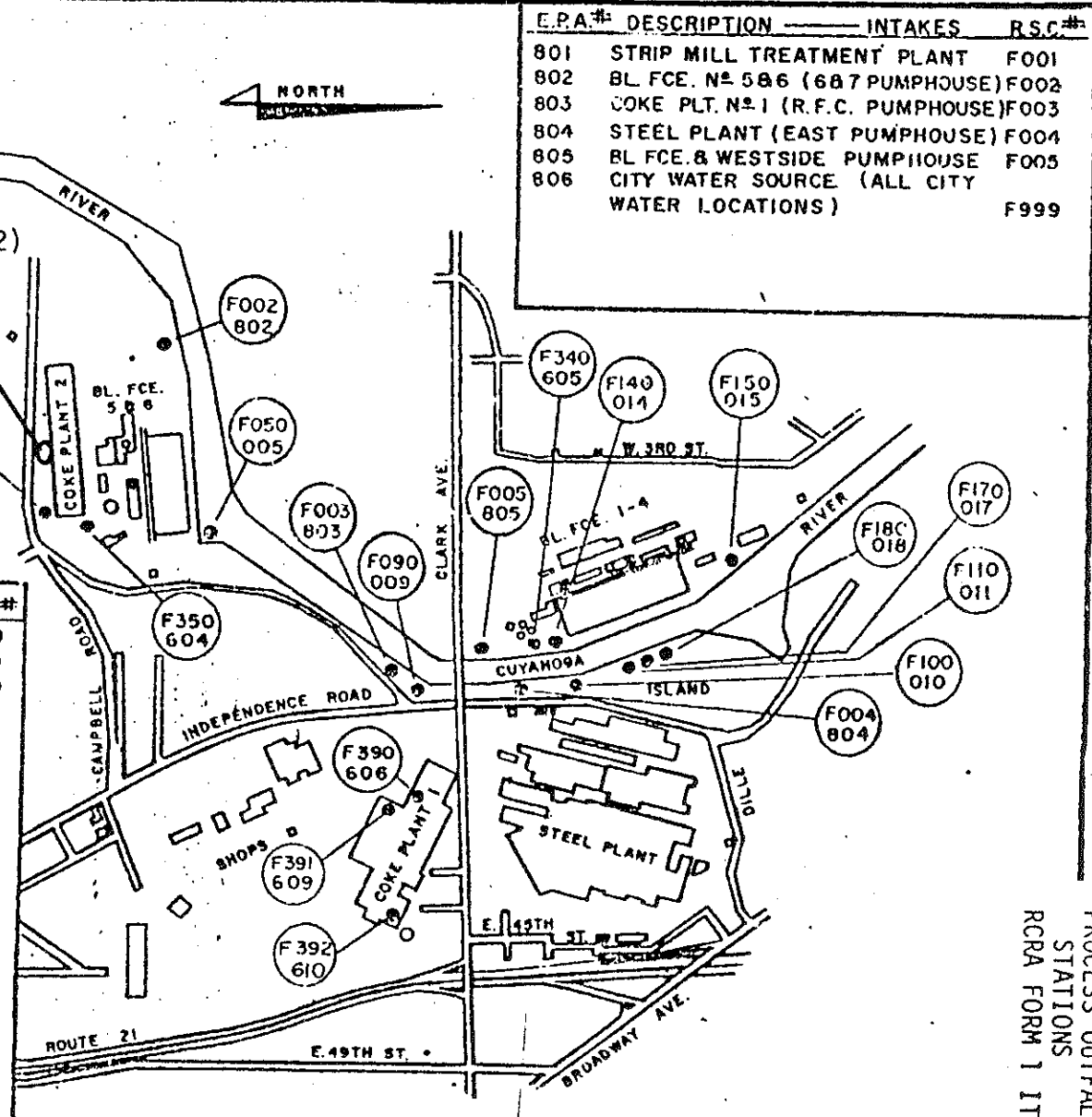
A. STREET OR P.O. BOX		B. CITY OR TOWN		C. STATE	D. ZIP CODE
3	3100 EAST 45TH STREET	4	CLEVELAND	OH	44127

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER		B. COUNTY NAME		C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
5	3100 EAST 45TH STREET	6	CUYAHOGA	6	CLEVELAND	OH	44127

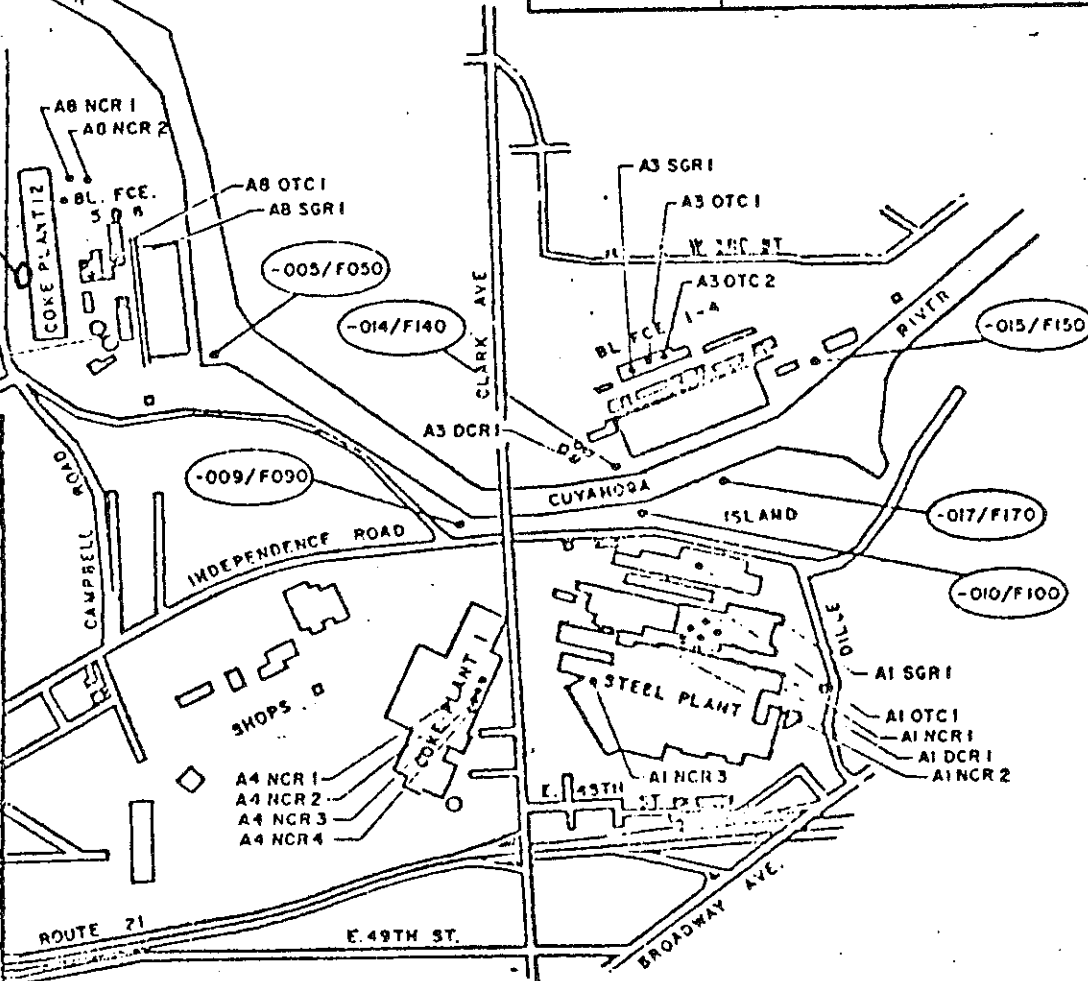
E.P.A.#	DESCRIPTION	INTAKES	R.S.C.#
801	STRIP MILL TREATMENT PLANT	F001	
802	BL. FCE. N° 5 & 6 (687 PUMPHOUSE)	F002	
803	COKE PLT. N° 1 (R.F.C. PUMPHOUSE)	F003	
804	STEEL PLANT (EAST PUMPHOUSE)	F004	
805	BL. FCE. & WESTSIDE PUMPHOUSE	F005	
806	CITY WATER SOURCE (ALL CITY WATER LOCATIONS)	F999	

E.P.A.#	DESCRIPTION	OUTFALLS	R.S.C.#
001	84" HOT MILL AREA STORM SEWER	F010	
002	MAIN STRIP MILL SEWER (601 & 602)	F020	
003	98" COLD MILL AREA STORM SEWER	F030	
004	PICKLE RINSE WATER SEWER OVERFLOW	F040	
005	BLAST FURNACE N° 5 & 6 SEWER	F050	
007	COKE PLANT N° 2 AREA MAIN SEWER	F070	
009	COKE PLANT N° 1 AREA STORM SEWER	F090	
010	B.O.F. INDIRECT COOLING WATER	F100	
011	STEEL PLANT PROCESS WATER OVERFLOW	F110	
014	BLAST FURNACE N° 1-4 MAIN SEWER	F140	
015	" " " " INDIRECT COOLING WATER	F150	
017	STEEL PLANT TREATMENT PLANT EFFLUENT	F170	
018	ALTERNATE S.C. TREATMENT PLANT EFFLUENT	F180	
601	HOT MILL DEEP BED FILTER BLOWDOWN	F320	
602	COLD MILL TREATMENT PLANT EFFLUENT	F420	
604	BL. FCE. N° 5 & 6 TREATMENT PLANT EFFLUENT	F350	
605	BL. FCE. N° 1-4 TREATMENT PLANT EFFLUENT	F340	
606	COKE PLANT TREATMENT PLANT EFFLUENT	F390	
609	COKE PLANT STREAM 'A' EFFLUENT	F391	
610	COKE PLANT STREAM 'B' EFFLUENT	F392	



OUTFALL NO EPA/RSC.	DESCRIPTION
D303002/F020	MAIN STRIP MILL SEWER
D303005/F050	506 BLAST FURNACES SEWER
D303009/F030	NO.1 COKE PLANT AREA STORM SEWER
D303010/F100	B.O.F. INDIRECT COOLING WATER
D303014/F140	184 BLAST FURNACES MAIN SEWER
D303015/F150	184 BL. FCS. INDIRECT COOLING WTR
D303017/F170	STL. PLT. W.W.T.P. EFFLUENT

OUTFALL NO	C W SYSTEM NO.	DESCRIPTION
D303002	A9-NCR1 A9-NCR2 A9-NCR3 A9-DCR1	84" HOT MILL - FCE. COOLING LUBE OIL COOL'G. 84" COLD MILL - MOTOR COOL'G. 84" H.M. - RECIRCULATING SYS.
D303005	A8-SGR1 A8-OTC1 A8-NCR1 A8-NCR2 A8-DCR1 A8-OTC2	NO.2 POWER STA. - STEAM GEN. COOLING SYS. NO.2 COKE PLT. - W.O. COOLERS FINAL COOLERS 506 BL. FCS. - RECYCLE SYS. NO.2 COKE PLT. - PRIMARY COOLERS
D303009	A4-NCR1 A4-NCR2 A4-NCR3 A4-NCR4	NO.1 COKE PLT. - SURFACE COND. PRIMARY COOLERS " " " FINAL COOLERS W.O. COOLERS
D303010	A1-OTC1	B.O.F. - HOOD COOLING SYSTEM
D303014	A3-SGR1 A3-OTC1 A3-DCR1	NO.1 POWER STA. - STEAM GEN. COOLING SYS. 184 BL. FCS. - RECYCLE SYS.
D303015	A3-OTC2	NO.1 POWER STA. - COOLING SYS.
D303017	A1-NCR1 A1-NCR2 A1-DCR1 A1-NCR3 A1-SGR1	B.O.F. - HOOD COOLING SYSTEM LANCE COOLING SYSTEM " S.C. RECYCLE SYSTEM 45" SLAB MILL - MOTOR COOLING NO.234 BOILER - STEAM GEN.



REPUBLIC STEEL CORP.
CLEVELAND DISTRICT
COOLING WATER SYSTEMS

FOR OFFICIAL USE ONLY

APPLICATION APPROVED

DATE RECEIVED (yr., mo., & day)

COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☐ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION (place an "X" below and complete item I above)

☒ 1. ~~XXXXXXXXXXXXXXXXXXXX~~ Revised Part A Permit Application

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS		T04	GALLONS PER DAY OR LITERS PER DAY
Disposal:			OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)		
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C									
DUP									
I									
1									
12 13 14 15									
LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)				1. AMOUNT	2. UNIT OF MEASURE (enter code)	
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 2	158,460	G		7				
2					8				
3					9				
4					10				

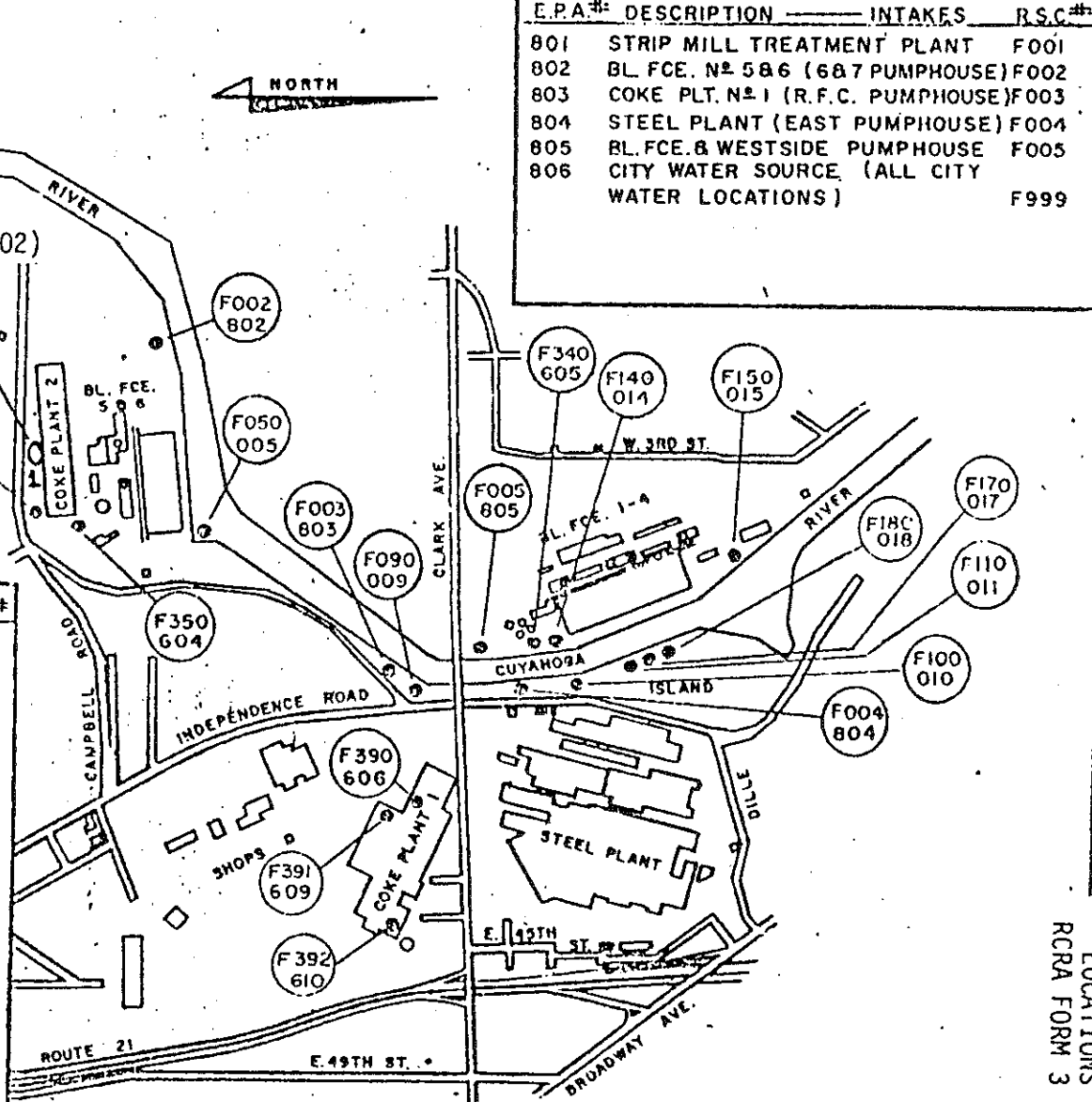
EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY																
W 0 H D 0 0 4 2 1 8 6 7 3													W DUP 2 DUP																
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																													
W N O J Z	A. EPA HAZARD. WASTE NO (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE				C. UNIT OF MEASURE (enter code)		1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (If a code is not entered in D(1))										
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
1	F	0	0	1	11				T		S	0	2																Recycled on coal to coke battery using Sludge Mill
2	F	0	0	3	- 15				T		S	0	2																" " "
3	K	0	8	7	4,140				T		S	0	2																" " "
4	K	0	6	2	53,500				T		S	0	2																Stored and reused, regenerated o treated and disposed off-site.
5																													
6																													
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26																													

E.P.A.#	DESCRIPTION	INTAKES	R.S.C.#
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802	BL. FCE. N° 586 (687 PUMPHOUSE)	F002	
803	COKE PLT. N° 1 (R.F.C. PUMPHOUSE)	F003	
804	STEEL PLANT (EAST PUMPHOUSE)	F004	
805	BL. FCE. & WESTSIDE PUMPHOUSE	F005	
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004	PICKLE RINSE WATER SEWER OVERFLOW	F040	
005	BLAST FURNACE N° 586 SEWER	F050	
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009	COKE PLANT N° 1 AREA STORM SEWER	F090	
010	B.O.F. INDIRECT COOLING WATER	F100	
011	STEEL PLANT PROCESS WATER OVERFLOW	F110	
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015	" " " " INDIRECT COOLING WATER	F150	
017	STEEL PLANT TREATMENT PLANT EFFLUENT	F170	
018	ALTERNATE S.C. TREATMENT PLANT EFFLUENT	F180	
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602	COLD MILL TREATMENT PLANT EFFLUENT	F420	
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605	BL. FCE. N° 1-4 TREATMENT PLANT EFFLUENT	F340	
606	COKE PLANT TREATMENT PLANT EFFLUENT	F390	
609	COKE PLANT STREAM 'A' EFFLUENT	F391	
610	COKE PLANT STREAM 'B' EFFLUENT	F392	

HAZARDOUS WASTE STORAGE

1. SLUDGE MILL STORAGE TANK 11 ft x 33 ft
2. 84" PICKLE LINE SPENT ACID STORAGE TANKS 19 ft x 82 ft
3. 98" PICKLE LINE AND ELECTROPLATE LINE STORAGE TANKS 23 ft x 125 ft



REPUBLIC STEEL CORP.
CLEVELAND DISTRICT

SAMPLING & MONITORING STATIONS
NOV. 5, 1975 REV. 12-79 GWD

M-1156-B

File

Republicsteel

Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

October 18, 1982

WL West
Director
WB Tucker Jr.
Assistant to the Director
CM Brown
Assistant Director—Air

Ohio EPA
Division of Hazardous Materials Mgmt.
Engineering Section
361 East Broad Street
Columbus, OH 43216

Attn: Karen Heyob

Subject: Revised Part A Permit Application
Republic Steel-Cleveland District (HW-0186)
Supplemental Information

The following information is provided as a supplement to information submitted by this office July 26, 1982 and August 6, 1982 regarding an updated RCRA Part A permit application. The revised permit application deletes two waste streams which were reclassified by the agency.

The DHMM Engineering Section requested data which supports the deletion of the coke oven gas desulfurization liquor and sludge. This waste stream was originally identified in the proposed May 19, 1980 regulations as F016, delisted by U.S. EPA in November 1980, and then reclassified as D002 by Republic until it could be tested. The material has been analyzed and does not meet the hazardous criteria for corrosivity. Table I contains a summary of the waste analyses performed during 1982.

It is requested that the waste stream deletions be accomplished through an administrative change to the existing HWFAB Permit A.

Sincerely,

D. M. Gubanc

D. M. Gubanc
Acting Assistant Director
Solid Waste Management

DMG:nf

Attach.

cc: Mr. Robert Fragale, HWFAB, Columbus
Mr. David Wertz, OEPA-NEODO

TABLE I

WASTE ANALYSIS OF
REPUBLIC STEEL-CLEVELAND DISTRICT
COKE OVEN GAS DESULFURIZATION SLUDGE AND LIQUOR-1982

The following waste parameters were determined for Cleveland's coke oven gas desulfurization sludge and liquor shipped off-site for disposal:

<u>Date (1982)</u>	<u>pH</u>	<u>Total Solids (wt. %)</u>	<u>Specific Gravity</u>
1-2	9.0	25	1.055
-22	8.0	28	1.055
2-8	9.0	19	1.055
-26	9.0	27	1.050
3-26	8.0	44	1.080
4-14	9.0	43	1.080
5-10	9.0	38	1.065
-26	9.0	32	1.060
6-14	10.0	29	1.060
-25	9.0	49	1.085
7-7	9.0	35	1.080
-19	9.0	13	1.035
-21	9.0	42	1.070
8-10	9.0	39	1.080
-20	8.0	28	1.045
9-9	9.0	32	1.070
-22	8.5	40	1.060
10-1	9.0	13	1.020

Ohio EPA

Re: Cuyahoga County
Hazardous Waste
Permit #02-18-0186

August 13, 1982

Mr. L. Aguiar, Superintendent Environmental Control
Republic Steel Cleveland District
3100 East 45th Street
Cleveland, Ohio 44127

Dear Mr. Aguiar:

Your facility has submitted a request to modify the above referenced hazardous waste permit. The technical review of this modification request has been completed and the request forwarded to the Hazardous Waste Facility Approval Board for action. This letter serves to notify you that all facility documents (i.e., closure, contingency, and operating plans) must be revised as needed if the modification request is approved. These documents will be inspected for compliance with all applicable hazardous waste regulations following approval of the modification.

Yours truly,



Paul Flanigan, Manager
Engineering Section
Div. of Hazardous Materials Management

PF/maf

cc: Bob Fragale, HWFAB
Tom Carlisle, DHMM
Paula Cotter, DHMM
NEDO-DHMM

RECEIVED
AUG 17 1982

ENVIRONMENTAL CONTROL DEPT.
CLEVELAND DISTRICT

Republicsteel

Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

August 6, 1982

West
Director
Tucker Jr.
Assistant to the Director
Brown
Assistant Director - Air

Ms. Peggy Vince
Executive Director
Hazardous Waste Facility
Approval Board
361 E. Broad Street
Columbus, Ohio 43216

Subject: Revised Part A Permit Application
Republic Steel-Cleveland District, OHD004218673
81-HW00186

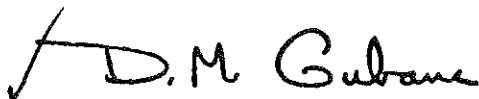
As per requests for additional information from your office, the following is provided.

The copy of the revised Part A permit application dated July 26, 1982 sent to Mr. Wilhelm deleted two waste streams from Section IV of Form 3, "Description of Hazardous Wastes"; F017 and D002. The reason is set forth below:

F017, paint sludges were removed from the list of hazardous waste by U.S. EPA and subsequently Ohio EPA in 1981. This material does not meet the hazardous waste characteristics.

D002, coke plant desulfurization liquor does not meet the corrosive characteristic of a hazardous waste, and should not appear on the Part A application.

Thank you for your assistance.



D. M. Gubanc
Sr. Solid Waste Management Engineer

DMG/dh

bcc: W. L. West
J. A. McKinney
L. Aguiar
J. F. Carter
E. A. Broestl

Republicsteel

Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

July 26, 1982

WL West
Director
WB Tucker Jr.
Assistant to the Director
CM Brown
Assistant Director - Air

Waste Management Branch
Air & Hazardous Materials Division
U.S. EPA - Region V
230 S. Dearborn St.
Chicago, Illinois 60604

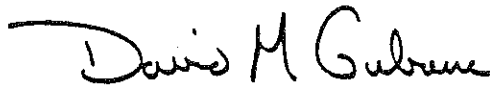
Subject: Revised Part A Permit Application
Republic Steel Cleveland District - OHD004218673

A revised Part A permit application describing the hazardous waste storage activities performed at the Republic Steel Cleveland District facility, located in Cleveland, Ohio is attached. This permit application updates the activities described in the Part A permit application dated November 17, 1980. No facilities are being expanded or replaced. The revised Part A reflects regulatory and operational changes that have occurred since the original Part A was filed.

A copy of this revised permit application is being sent to Ohio EPA.

Please contact this office concerning questions about the content of the permit application (216/622-5916).

Sincerely,



D. M. Gubanc
Sr. Solid Waste Management Engineer

DMG:nf

cc: Chief, Division of Hazardous Materials
Management - Ohio EPA - w/att.

bcc: Messrs. J. F. Carter
✓ L. Aguiar - w/att.
W. C. Mozes
T. M. Girdler
J. A. McKinney
W. L. West
E. A. Broestl
E. Majesky

All without attachments except
as noted

Republicsteel

Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

July 26, 1982

WL West
Director
WB Tucker Jr.
Assistant to the Director
CM Brown
Assistant Director - Air

Mr. Charles Wilhelm
Chief, Division of Hazardous Materials
Management
Ohio EPA
361 E. Broad Street
Columbus, OH 43216

Subject: Revised Part A Permit Application
Republic Steel Cleveland District - OHD004218673

A copy of a revised Part A permit application, dated July 26, 1982, sent to U.S. EPA is attached for information. This revised Part A does not propose to change Republic Steel's Ohio HWFAB permit conditions and merely reflects the present operations performed at that facility.

If you have questions, please contact this office (216/622-5916).

Sincerely,



D. M. Gubanc
Sr. Solid Waste Management Engineer

DMG:nf

Attach.

cc: U.S. EPA Region V, Waste Management Branch
Air and Hazardous Materials Division

bcc: Messrs. W. L. West
J. F. Carter
✓ L. Aguiar
T. M. Girdler
W. C. Mozes
J. A. McKinney
E. A. Broestl

Republicsteel

Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

August 6, 1982

WL West
Director
WB Tucker Jr.
Assistant to the Director
CM Brown
Assistant Director—Air

Ms. Peggy Vince
Executive Director
Hazardous Waste Facility
Approval Board
361 E. Broad Street
Columbus, Ohio 43216

Subject: Revised Part A Permit Application
Republic Steel-Cleveland District, OHD004218673
81-HW00186

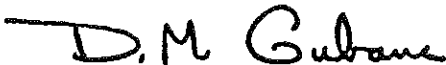
As per requests for additional information from your office, the following is provided.

The copy of the revised Part A permit application dated July 26, 1982 sent to Mr. Wilhelm deleted two waste streams from Section IV of Form 3, "Description of Hazardous Wastes"; F017 and D002. The reason is set forth below:

F017, paint sludges were removed from the list of hazardous waste by U.S. EPA and subsequently Ohio EPA in 1981. This material does not meet the hazardous waste characteristics.

D002, coke plant desulfurization liquor does not meet the corrosive characteristic of a hazardous waste, and should not appear on the Part A application.

Thank you for your assistance.



D. M. Gubanc
Sr. Solid Waste Management Engineer

DMG/dh

bcc: W. L. West
J. A. McKinney
✓ L. Aguiar
J. F. Carter
E. A. Broestl

RECEIVED

AUG 10 1982

ENVIRONMENTAL CONTROL DEPT.
CLEVELAND DISTRICT

COMMENTS

☐ 2. FACILITY HAS A RCRA PERMIT

CONTINUE ON REVERSE

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE
POUNDS P
TONS T

METRIC UNIT OF MEASURE CODE
KILOGRAMS K
METRIC TONS M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

W N O J Z	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEAS- URE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (If a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				Included with above

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY																																																												
<div style="display: flex; justify-content: space-between;"> W 0 H D 0 0 4 2 1 8 6 7 3 T A C 1 </div>													<div style="display: flex; justify-content: space-between;"> W 2 DUP </div>																																																												
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																																																																									
W H D T A C	A. EPA HAZARD. WASTE NO. (enter code)			B. ESTIMATED ANNUAL QUANTITY OF WASTE			C. UNIT OF MEASURE (enter code)	1. PROCESS CODES (enter)												2. PROCESS DESCRIPTION (If a code is not entered in D(1))																																																					
	27	28	29	30	31	32		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98
1	F	0	0	1	11			T	S 0 2												Recycled on coal to coke battery using Sludge Mill																																																				
2	F	0	0	3	- 15			T	S 0 2												" " "																																																				
3	K	0	8	7	4,140			T	S 0 2												" " "																																																				
4	K	0	6	2	53,500			T	S 0 2												Stored and reused, regenerated or treated and disposed off-site.																																																				
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EPA I.D. NO. (enter from page 1)													
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V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

41 28 14 N

081 40 05 W

VIII. FACILITY OWNER

☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER				2. PHONE NO. (area code & no.)			
E				72 - 74 75 76 77 78			
3. STREET OR P.O. BOX				4. CITY OR TOWN		5. ST.	
F				G		6. ZIP CODE	
12 13				40 41 42		53 54 55	

IX. OWNER CERTIFICATION

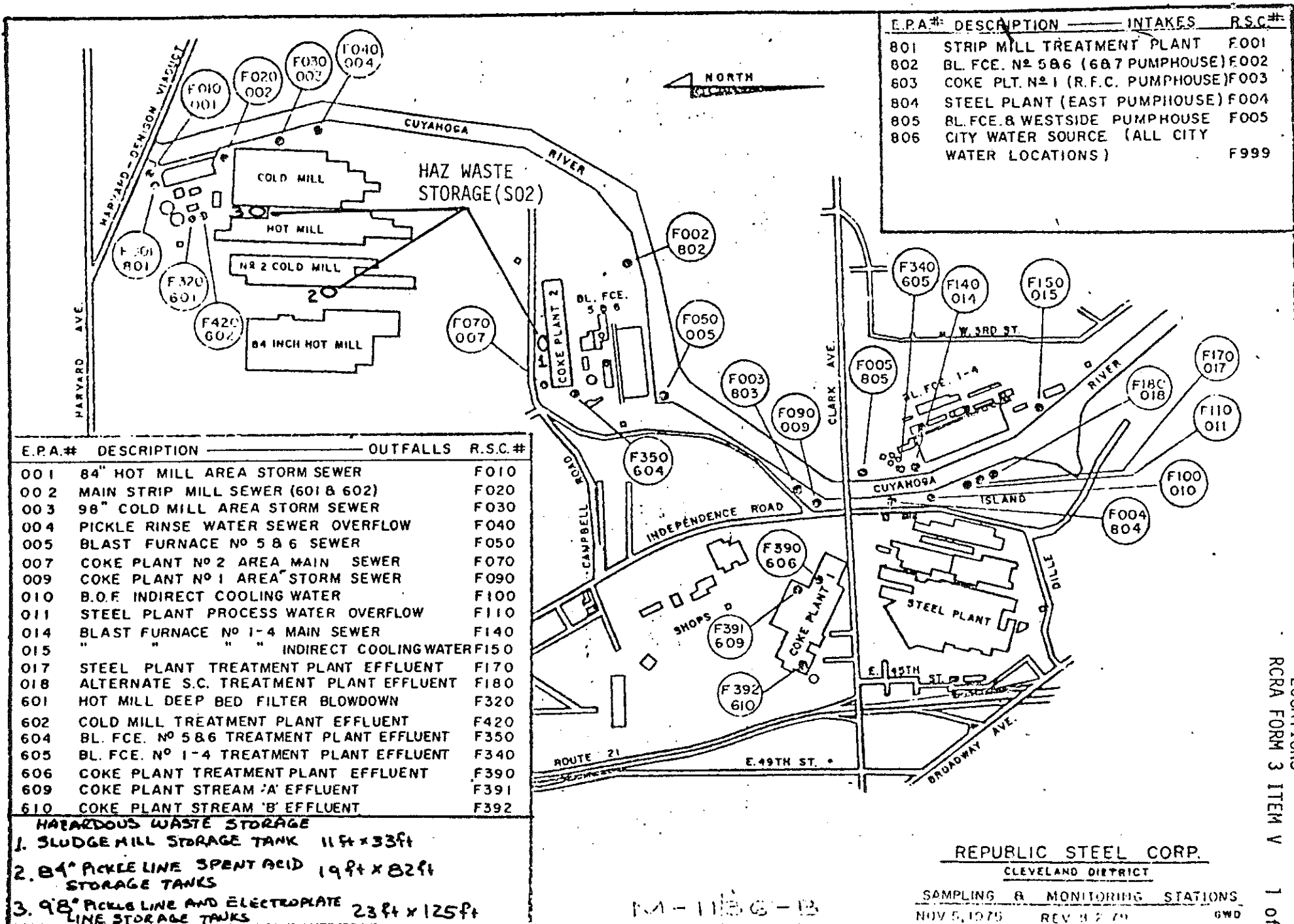
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

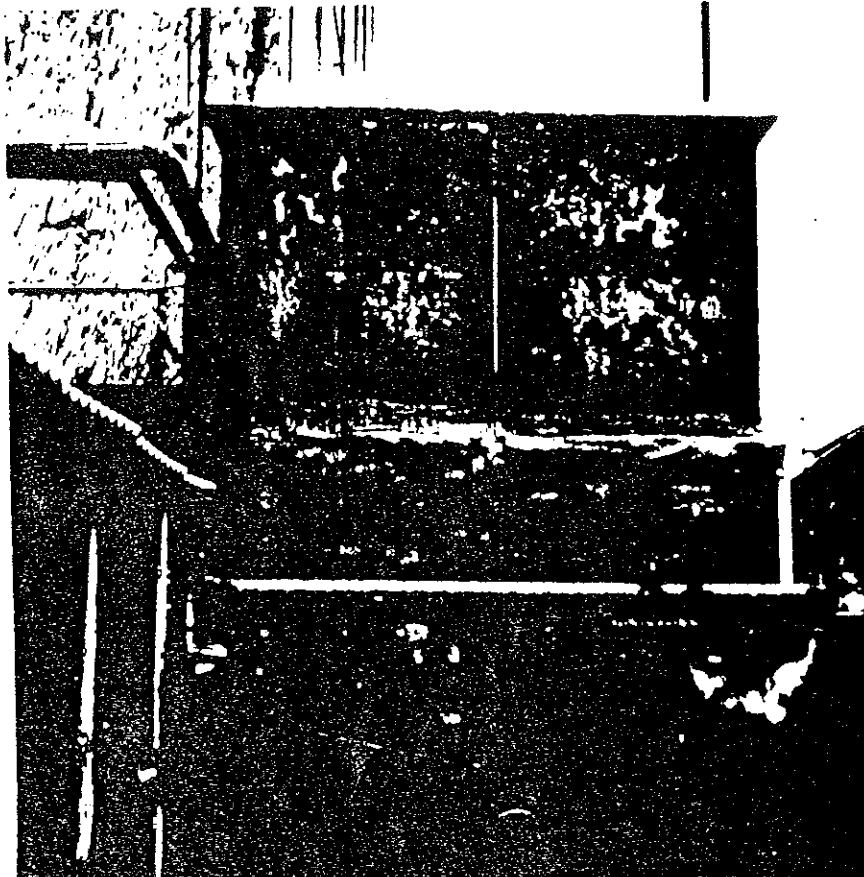
A. NAME (print or type) P. N. Wigton, Vice President Steel Operations	B. SIGNATURE <i>P. N. Wigton</i>	C. DATE SIGNED 7/26/87
---	-------------------------------------	---------------------------

X. OPERATOR CERTIFICATION

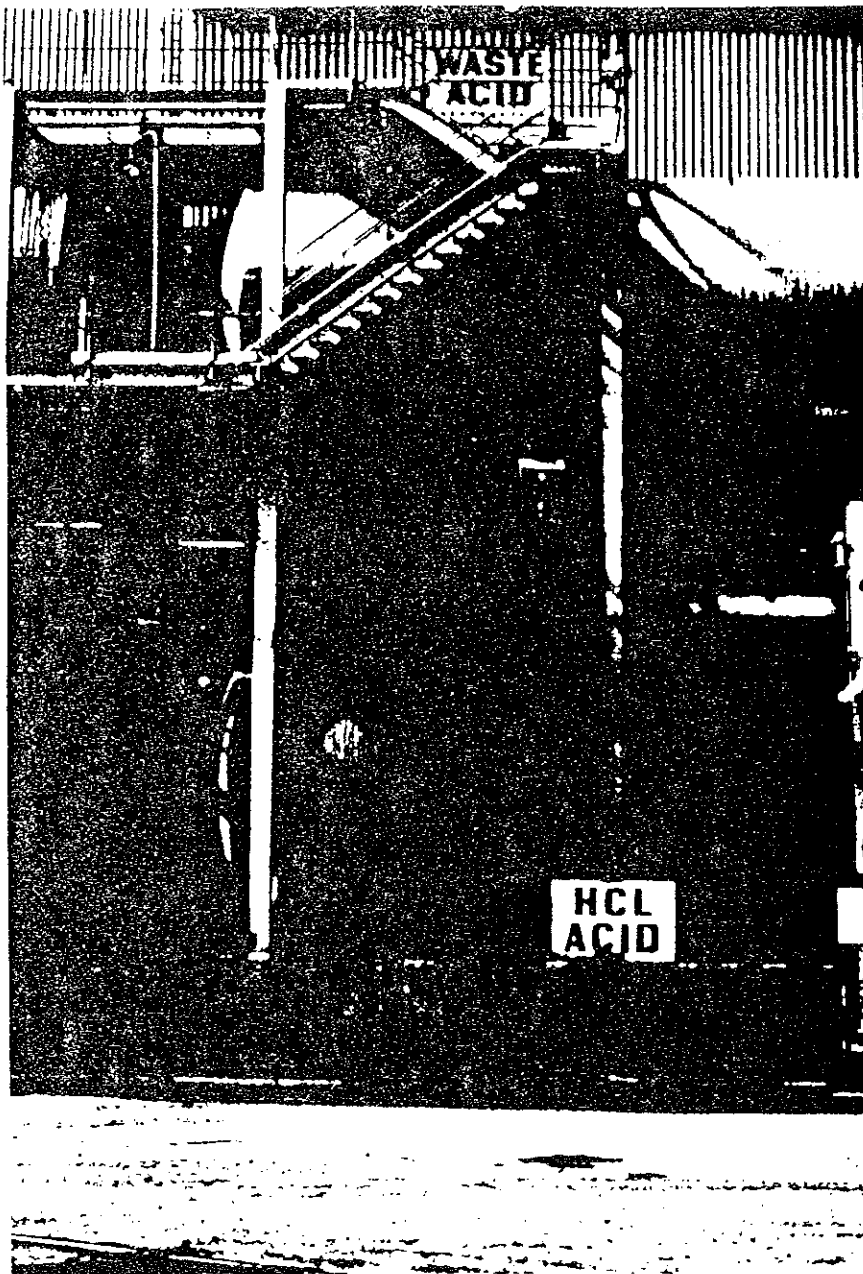
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED

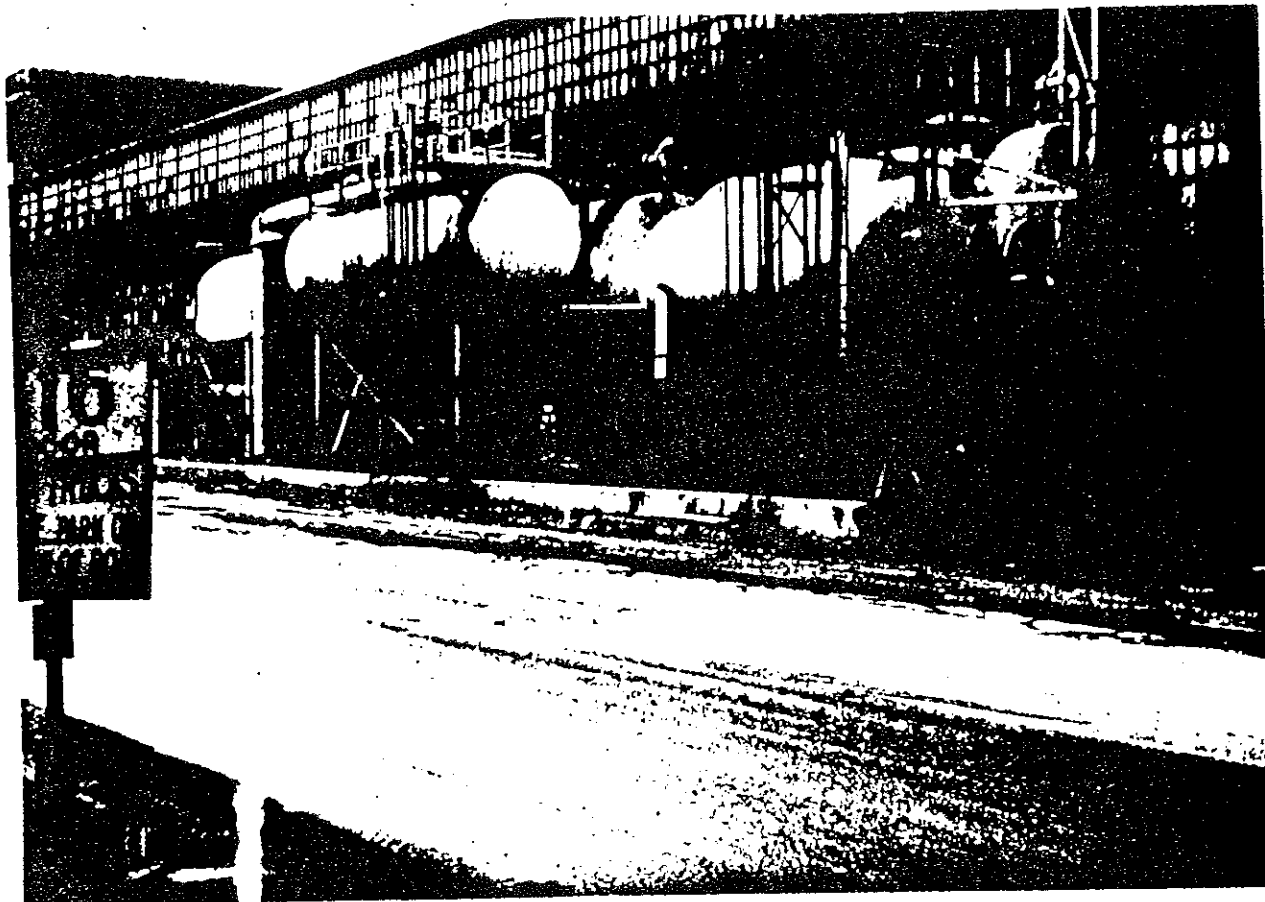




REPUBLIC STEEL-CLEVELAND DIST.
SLUDGE MILL STORAGE TANK (S02)
RCRA FORM 3 ITEM VI 1 of 3



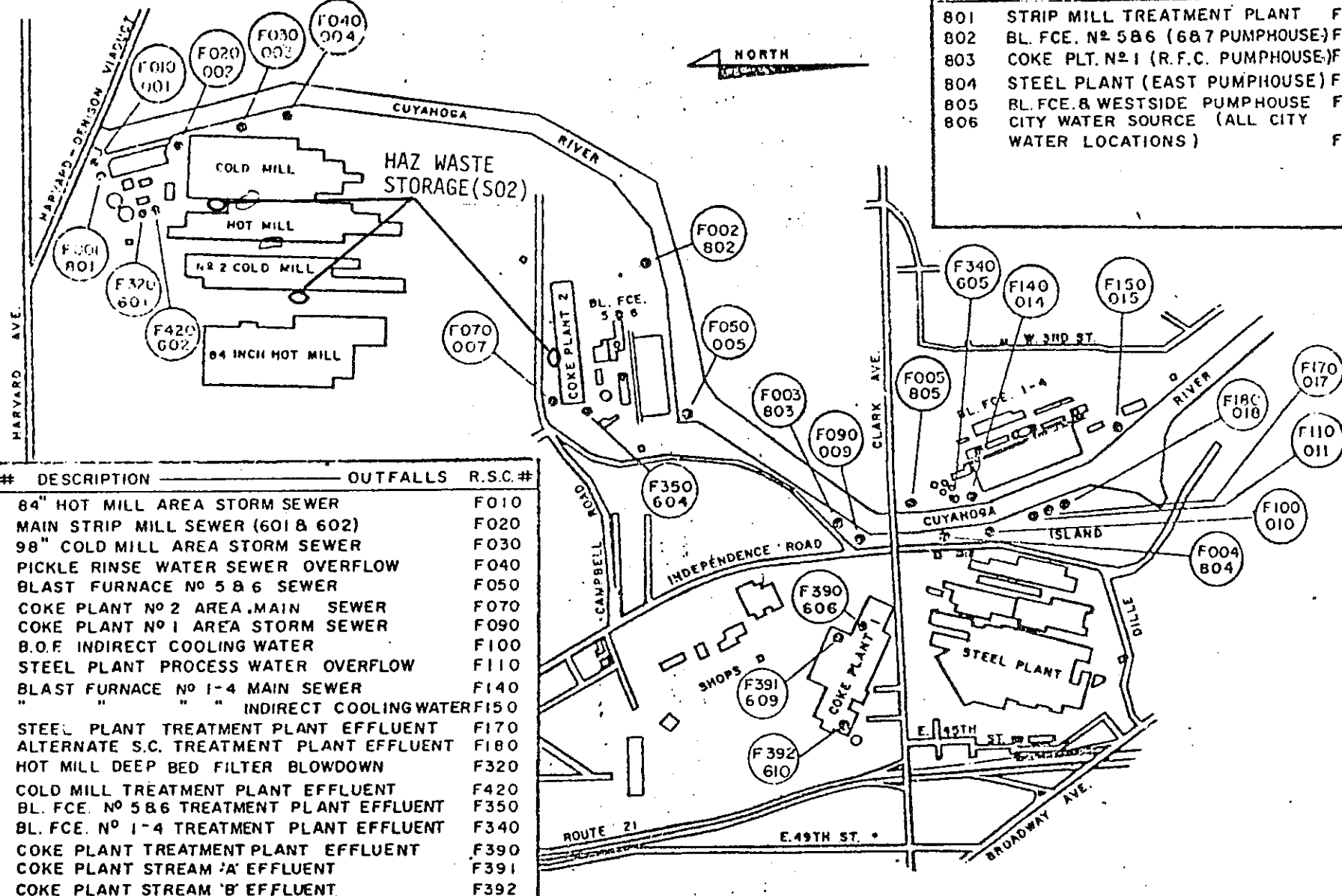
REPUBLIC STEEL-CLEVELAND DIST.
84" PICKLE LINE STORAGE TANKS
(S02)
RCRA FORM 3 ITEM VI 2 of 3



REPUBLIC STEEL-CLEVELAND DIST.
98" AND ELECTROPLATE LINE
STORAGE TANKS (S02)
RCRA FORM 3 ITEM VI 3 of 3

E.P.A.#	DESCRIPTION	INTAKES	R.S.C.#
801	STRIP MILL TREATMENT PLANT	F001	
802	BL. FCE. N° 5 & 6 (687 PUMPHOUSE)	F002	
803	COKE PLT. N° 1 (R.F.C. PUMPHOUSE)	F003	
804	STEEL PLANT (EAST PUMPHOUSE)	F004	
805	BL. FCE. & WESTSIDE PUMPHOUSE	F005	
806	CITY WATER SOURCE (ALL CITY WATER LOCATIONS)	F999	

E.P.A.#	DESCRIPTION	OUTFALLS	R.S.C.#
001	84" HOT MILL AREA STORM SEWER	F010	
002	MAIN STRIP MILL SEWER (601 & 602)	F020	
003	98" COLD MILL AREA STORM SEWER	F030	
004	PICKLE RINSE WATER SEWER OVERFLOW	F040	
005	BLAST FURNACE N° 5 & 6 SEWER	F050	
007	COKE PLANT N° 2 AREA MAIN SEWER	F070	
009	COKE PLANT N° 1 AREA STORM SEWER	F090	
010	B.O.F. INDIRECT COOLING WATER	F100	
011	STEEL PLANT PROCESS WATER OVERFLOW	F110	
014	BLAST FURNACE N° 1-4 MAIN SEWER	F140	
015	" " " " INDIRECT COOLING WATER	F150	
017	STEEL PLANT TREATMENT PLANT EFFLUENT	F170	
018	ALTERNATE S.C. TREATMENT PLANT EFFLUENT	F180	
601	HOT MILL DEEP BED FILTER BLOWDOWN	F320	
602	COLD MILL TREATMENT PLANT EFFLUENT	F420	
604	BL. FCE. N° 5 & 6 TREATMENT PLANT EFFLUENT	F350	
605	BL. FCE. N° 1-4 TREATMENT PLANT EFFLUENT	F340	
606	COKE PLANT TREATMENT PLANT EFFLUENT	F390	
609	COKE PLANT STREAM 'A' EFFLUENT	F391	
610	COKE PLANT STREAM 'B' EFFLUENT	F392	

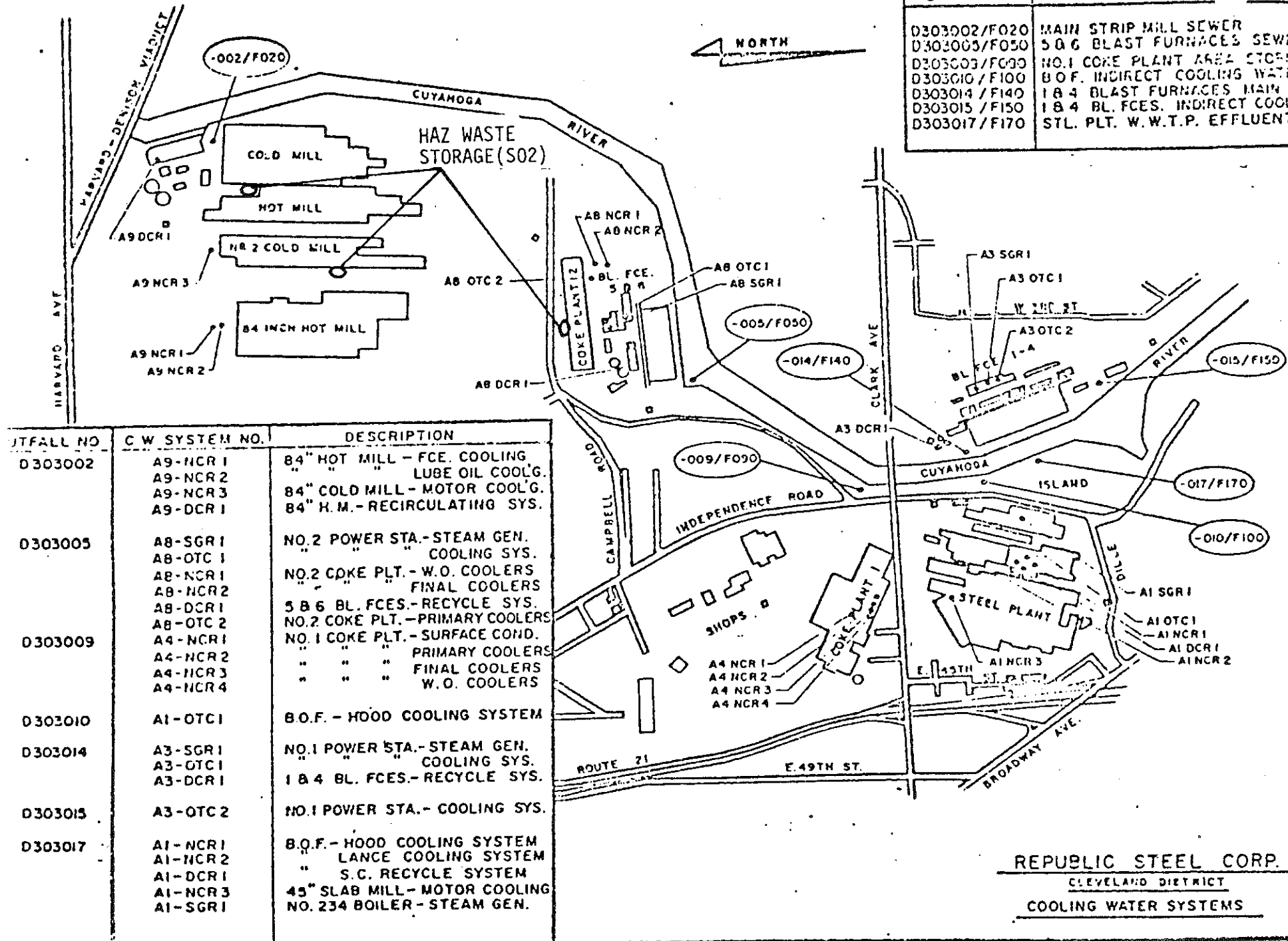


REPUBLIC STEEL CORP.
CLEVELAND DISTRICT

SAMPLING & MONITORING STATIONS
NOV 5, 1975 REV B 2-79 GWO

M-1156-B

OUTFALL NO EPA/RSC	DESCRIPTION
D303002/F020	MAIN STRIP MILL SEWER
D303003/F050	5 & 6 BLAST FURNACES SEWER
D303003/F050	NO.1 COKE PLANT AREA STORM SEWER
D303010/F100	B.O.F. INDIRECT COOLING WATER
D303014/F140	1 & 4 BLAST FURNACES MAIN SEWER
D303015/F150	1 & 4 BL. FCES. INDIRECT COOLING WTP
D303017/F170	STL. PLT. W.W.T.P. EFFLUENT



REPUBLIC STEEL CORP.
CLEVELAND DISTRICT
COOLING WATER SYSTEMS

STATE OF OHIO

HAZARDOUS WASTE FACILITY APPROVAL BOARD

In the Matter of:

Republic Steel
Cleveland District
3100 East 45th Street
Cleveland, Ohio 44127

Applicant/Permittee

The operator of the below-
referenced hazardous waste
facility

Republic Steel
Cleveland District
3100 East 45th Street
Cleveland, Ohio 44127

Facility

I HEREBY CERTIFY TO BE A TRUE AND
ACCURATE COPY OF THE OFFICIAL DOCUMENT
AS FILED IN THE RECORDS OF THE OHIO
HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY ck DATE 12/31/81

Permit No. 02-18-0186

HAZARADOUS WASTE FACILITY
APPROVAL BOARD

DEC 28 1981

ENTERED BOARD'S JOURNAL

Pursuant to Section 3734.05(D) of the Revised Code, The
Hazardous Waste Facility Approval Board (Board) makes the
following Findings and Conclusions and issues a Hazardous
Waste Facility Installation and Operation Permit (Permit)

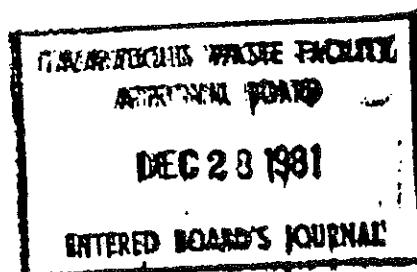
FINDINGS AND CONCLUSIONS

1. The Applicant has submitted to the Board a completed permit application, stating the facility was in operation immediately prior to October 9, 1980, and has paid the required permit fee.
2. The Ohio Environmental Protection Agency (Agency) and/or the United States Environmental Protection Agency has inspected the facility and has prepared an Interim Status Standards Survey (survey).
3. All public comments timely received have been reviewed, evaluated and considered by the Board and the Agency for their relevancy and materiality.
4. The Agency has reviewed and considered the information on the permit application, the results of the survey, the public comments, and other pertinent material and has concluded that the facility was in substantial compliance, as determined by the Director of Environmental Protection, with applicable statutes and rules in effect immediately prior to October 9, 1980.

5. The Agency has informed the Applicant of the requirements of applicable hazardous waste rules of which it was not in compliance.
6. The Agency has recommended to the Board that a permit be issued to the facility.
7. Review and consideration of the information on the permit application, the results of the survey, the public comments, recommendations and comments by the Agency, and other pertinent material regarding the Applicant and the facility is sufficient to determine whether the facility meets the requirements for permit issuance set forth in Section 3734.05(D) of the Revised Code.
8. The staff of the Board has reviewed and considered the information on the permit application, the results of the survey, the public comments, the recommendation and comments by the Agency, and other pertinent material regarding the Applicant and the facility and has recommended to the Board that a permit be issued.
9. Pursuant to Resolution No. 141-81, passed October 1, 1981, the Board found that the facility:
 - a. Was in operation immediately prior to October 9, 1980,
 - b. Was in substantial compliance, as determined by the Director of Environmental Protection, with applicable statutes and rules in effect immediately prior to October 9, 1980,
 - c. Submitted a completed permit application, and
 - d. Has demonstrated to the Board that its operation after October 9, 1980 will comply with applicable performance standards adopted by the Director of Environmental Protection pursuant to division (D) of Section 3734.12 of the Revised Code.
10. Pursuant to such Resolution, the Board resolved and approved that a permit be issued with such standard terms and conditions set forth in the document entitled "Terms and Conditions" attached to the Resolution and such special terms and conditions as were approved by the Board.
11. The terms and conditions referenced in Finding Number 10 above, are attached hereto and incorporated herein.
12. Resolution No. 21-81, passed on August 26, 1981 and entered into the Journal of the Board on September 1, 1981, authorizes the Coordinator of the Board to:

I CERTIFY THIS COPY TO BE A TRUE AND
ACCURATE COPY OF THE OFFICIAL DOCUMENT
AS FILED IN THE RECORDS OF THE OHIO
HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY CR DATE 12/31/81



- a. Authorize the staff of the Board to issue to the facilities the Hazardous Waste Facility Installation and Operation Permits approved for issuance by resolution of the Board, and
- b. Have signing authority indicating that such action has been approved by the Board.

NOW THEREFORE, A HAZARDOUS WASTE FACILITY INSTALLATION AND OPERATION PERMIT IS ISSUED TO THE Applicant for the facility, subject to the Terms and Conditions attached hereto and incorporated herein.

FOR THE BOARD, BY
ORDER OF THE BOARD

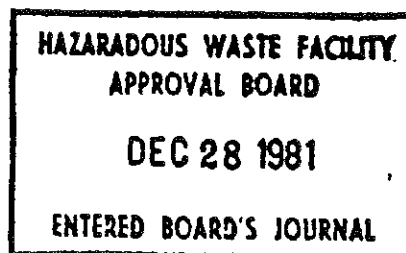
Peggy J. Vince December 27, 1981

Entered into the Journal of the Board on Dec 28, 1981 by

Madeline Thomson/sec

I CERTIFY THIS COPY TO BE A TRUE AND
ACCURATE COPY OF THE OFFICIAL DOCUMENT
AS FILED IN THE RECORDS OF THE OHIO
HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY CK DATE 12/31/81





GENERAL

I. EPA I.D. NUMBER

III. FACILITY NAME

V. MAILING ADDRESS

VI. FACILITY LOCATION

I CERTIFY THIS COPY TO BE A TRUE AND ACCURATE COPY OF THE ORIGINAL DOCUMENT AS FILED IN THE RECORDS OF THE SHAPE HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY DE 25 DATE 12/3/81

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'			SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X			D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP REPUBLIC STEEL CLEVELAND DISTRICT

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)
2 AGUIER L SUPT ENVIR CONTROL

B. PHONE (area code & no.)
216 622 6370

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX
3 3100 EAST 45TH STREET

B. CITY OR TOWN
4 CLEVELAND

C. STATE
OH

D. ZIP CODE
44127

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER
5 53100 EAST 45TH STREET

B. COUNTY NAME
6 CUYAHUGA

C. CITY OR TOWN
CLEVELAND

D. STATE
OH

E. ZIP CODE
44127

HAZARDOUS WASTE FACILITY APPROVAL BOARD

DEC 28 1981

CONTINUE ON REVERSE
ENTERED BOARD'S JOURNAL

Republicsteel

Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

July 26, 1982

WL West
Director
WB Tucker Jr.
Assistant to the Director
CM Brown
Assistant Director - Air

Waste Management Branch
Air & Hazardous Materials Division
U.S. EPA - Region V
230 S. Dearborn St.
Chicago, Illinois 60604

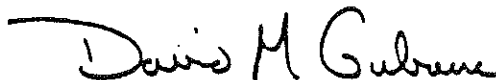
Subject: Revised Part A Permit Application
Republic Steel Cleveland District - OHD004218673

A revised Part A permit application describing the hazardous waste storage activities performed at the Republic Steel Cleveland District facility, located in Cleveland, Ohio is attached. This permit application updates the activities described in the Part A permit application dated November 17, 1980. No facilities are being expanded or replaced. The revised Part A reflects regulatory and operational changes that have occurred since the original Part A was filed.

A copy of this revised permit application is being sent to Ohio EPA.

Please contact this office concerning questions about the content of the permit application (216/622-5916).

Sincerely,



D. M. Gubanc
Sr. Solid Waste Management Engineer

DMG:nf

cc: Chief, Division of Hazardous Materials
Management - Ohio EPA - w/att.

bcc: Messrs. J. F. Carter
✓ L. Aguiar - w/att.
W. C. Mozes
T. M. Girdler
J. A. McKinney
W. L. West
E. A. Broestl
E. Majesky

All without attachments except
as noted

FORM 1 GENERAL		U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program (Read the "General Instructions" before starting.)		I. EPA I.D. NUMBER FOH D 004 218 673	
II. POLLUTANT CHARACTERISTICS		PLEASE PLACE LABEL IN THIS SPACE		GENERAL INSTRUCTIONS If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.	
INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.					
SPECIFIC QUESTIONS		MARK 'X'		SPECIFIC QUESTIONS	
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		YES	NO	B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)	
			X	YES	NO
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		YES	NO	D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)	
		X		YES	NO
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)		YES	NO	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)	
		X	X	YES	NO
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		YES	NO	H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)	
			X	YES	NO
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		YES	NO	J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)	
			X	YES	NO
III. NAME OF FACILITY		IV. FACILITY CONTACT			
1. SKIP		A. NAME & TITLE (last, first, & title)			
REPUBLIC STEEL CLEVELAND DISTRICT		B. PHONE (area code & no.)			
		2. 216 622 6370			
V. FACILITY MAILING ADDRESS		VI. FACILITY LOCATION			
A. STREET OR P.O. BOX		A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER			
3. 3100 EAST 45TH STREET		5. 3100 EAST 45TH STREET			
B. CITY OR TOWN		C. STATE			
4. CLEVELAND		OH			
D. ZIP CODE		E. ZIP CODE			
44127		44127			
F. COUNTY CODE (if known)		F. COUNTY CODE (if known)			
CUYAHOGA		CUYAHOGA			
G. CITY OR TOWN		G. CITY OR TOWN			
6. CLEVELAND		6. CLEVELAND			

I. SIC CODES (4-digit, in order of priority)

A. FIRST				B. SECOND			
3 3 1 2 (specify)				7 (specify)			
INTEGRATED STEEL PLANT							
C. THIRD				D. FOURTH			
(specify)				(specify)			
7				7			

II. OPERATOR INFORMATION

A. NAME										B. Is the name listed in Item VIII-A also the owner?	
REPUBLIC STEEL CORPORATION										<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)										D. PHONE (area code & no.)	
F = FEDERAL S = STATE P = PRIVATE M = PUBLIC (other than federal or state) O = OTHER (specify)										A 2 1 6 6 2 2 5 0 0 0	
E. STREET OR P.O. BOX											
0 BOX 6 7 7 8											
F. CITY OR TOWN					G. STATE		H. ZIP CODE		IX. INDIAN LAND		
CLEVELAND					OH		4 4 1 0 1		Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)										D. PSD (Air Emissions from Proposed Sources)									
N 0 H 0 0 0 0 9 5 7										9 P									
B. UIC (Underground Injection of Fluids)										E. OTHER (specify)									
U										8 1 - H W - 0 1 8 6 (specify) Ohio HWFAB Permit									
C. RCRA (Hazardous Wastes)										E. OTHER (specify)									
R										(specify)									

MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

II. NATURE OF BUSINESS (provide a brief description)

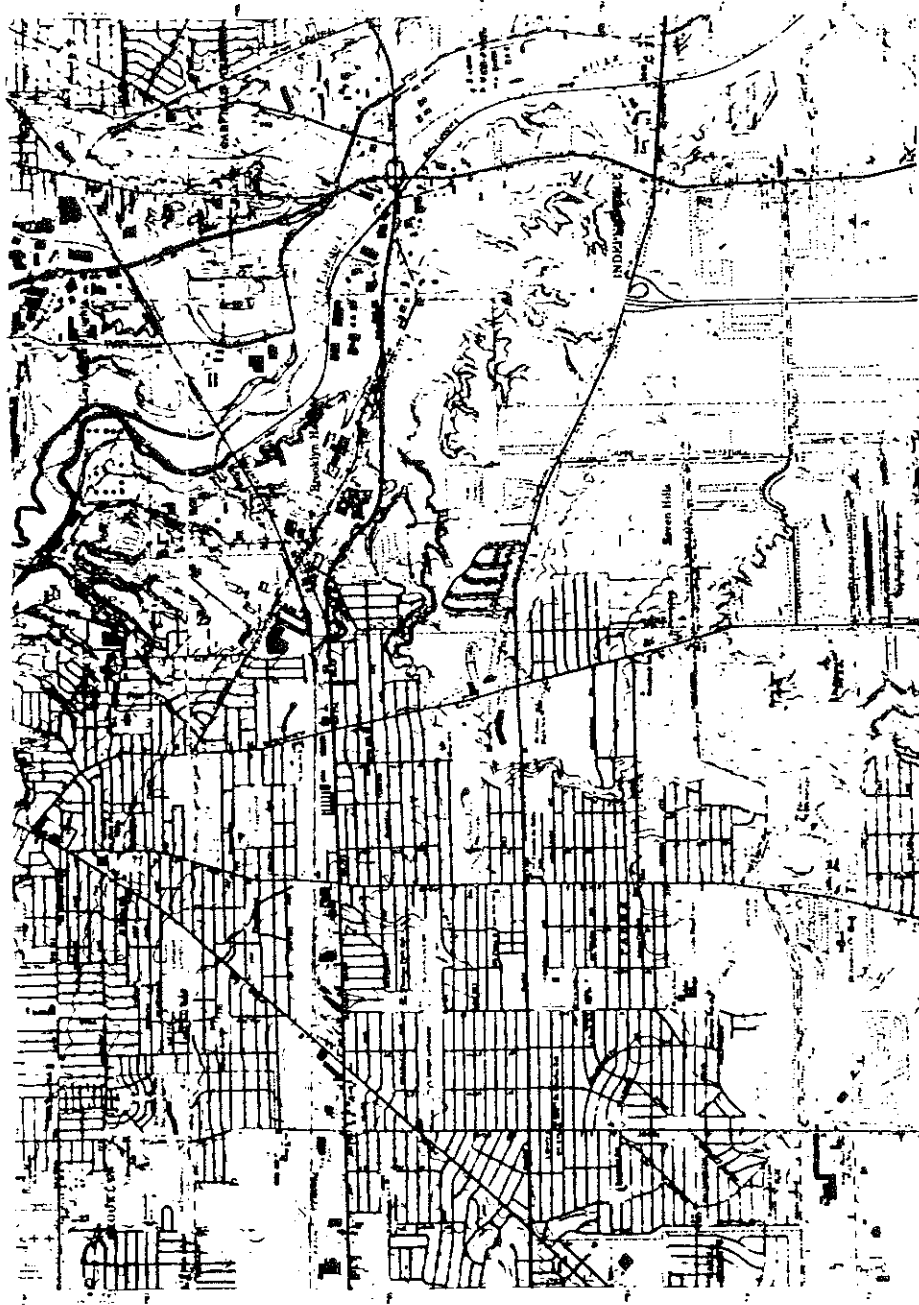
Integrated Steel Plant producing plate; zinc coated sheets and coil; bar products; hot-rolled sheet, coil and strip; cold rolled sheets, coil and strip; coke plant by-products.

III. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)		B. SIGNATURE		C. DATE SIGNED	
P. N. Wigton, Vice President Steel Operations				7/26/82	

COMMENTS FOR OFFICIAL USE ONLY									



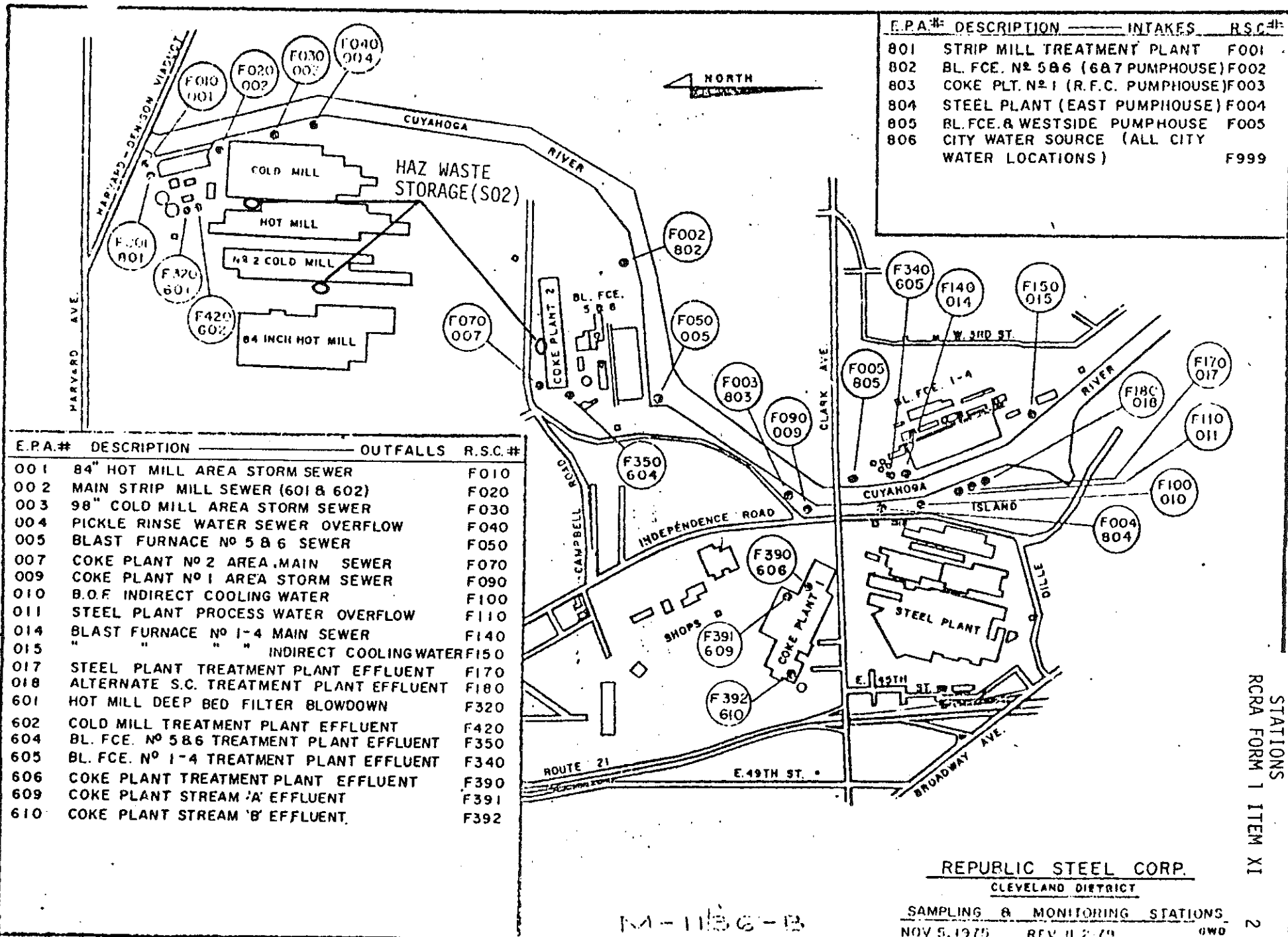
CLEVELAND SOUTH OHIO

— LEO YE KAO TUNG
— RUC PROPERTY LINE

JOHN STAIN
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND SURVEY

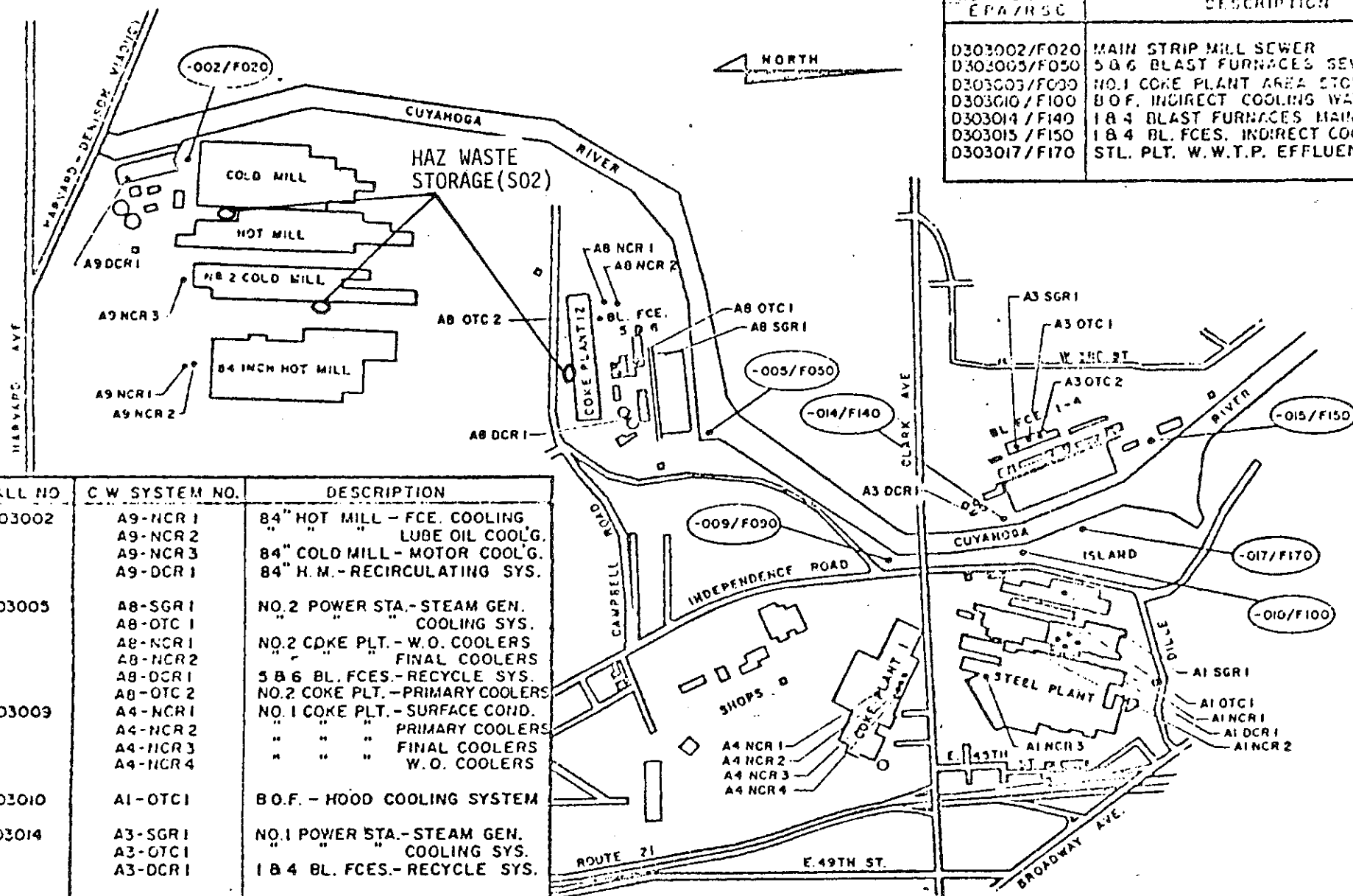
CLEVELAND DISTRICT
LAND OFFICE
CLEVELAND, OHIO





OUTFALL NO EPA/RSC	DESCRIPTION
D303002/F020	MAIN STRIP MILL SEWER
D303005/F050	5 B 6 BLAST FURNACES SEWER
D303003/F000	NO.1 COKE PLANT AREA STORM SEWER
D303010/F100	B.O.F. INDIRECT COOLING WATER
D303014/F140	1 B 4 BLAST FURNACES MAIN SEWER
D303015/F150	1 B 4 BL. FCES. INDIRECT COOLING WTR
D303017/F170	STL. PLT. W.W.T.P. EFFLUENT

FALL NO	C W SYSTEM NO.	DESCRIPTION
D303002	A9-NCR 1 A9-NCR 2 A9-NCR 3 A9-DCR 1	84" HOT MILL - FCE. COOLING LUBE OIL COOL'G. 84" COLD MILL - MOTOR COOL'G. 84" H.M.-RECIRCULATING SYS.
D303005	A8-SGR 1 A8-OTC 1 A8-NCR 1 A8-NCR 2 A8-DCR 1 A8-OTC 2	NO.2 POWER STA.-STEAM GEN. COOLING SYS. NO.2 COKE PLT. - W.O. COOLERS FINAL COOLERS 5 B 6 BL. FCES.-RECYCLE SYS. NO.2 COKE PLT. - PRIMARY COOLERS
D303003	A4-NCR 1 A4-NCR 2 A4-NCR 3 A4-NCR 4	NO.1 COKE PLT. - SURFACE COND. PRIMARY COOLERS FINAL COOLERS W.O. COOLERS
D303010	A1-OTC 1	B.O.F. - HOOD COOLING SYSTEM
D303014	A3-SGR 1 A3-OTC 1 A3-DCR 1	NO.1 POWER STA.-STEAM GEN. COOLING SYS. 1 B 4 BL. FCES.-RECYCLE SYS.
D303015	A3-OTC 2	NO.1 POWER STA.- COOLING SYS.
D303017	A1-NCR 1 A1-NCR 2 A1-DCR 1 A1-NCR 3 A1-SGR 1	B.O.F.- HOOD COOLING SYSTEM LANCE COOLING SYSTEM S.C. RECYCLE SYSTEM 45" SLAB MILL - MOTOR COOLING NO. 234 BOILER - STEAM GEN.



REPUBLIC STEEL CORP.
CLEVELAND DISTRICT
COOLING WATER SYSTEMS

REPUBLIC STEEL-CLEVELAND DISTRICT
NON-CONTACT WATER OUTFALLS
RCRA FORM 1 ITEM XI
3 of 3
PAGE 3

STATE OF OHIO

HAZARDOUS WASTE FACILITY APPROVAL BOARD

In the Matter of:

Republic Steel
Cleveland District
3100 East 45th Street
Cleveland, Ohio 44127

Applicant/Permittee

The operator of the below-
referenced hazardous waste
facility

Republic Steel
Cleveland District
3100 East 45th Street
Cleveland, Ohio 44127

Facility

TO BE A TRUE AND
ACCUATE COPY OF THE ORIGINAL DOCUMENT
AS FILED IN THE RECORDS OF THE OHIO
HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY ck DATE 12/31/81

Permit No. 02-18-0186

HAZARDOUS WASTE FACILITY
APPROVAL BOARD

DEC 28 1981

ENTERED BOARD'S JOURNAL

Pursuant to Section 3734.05(D) of the Revised Code, The
Hazardous Waste Facility Approval Board (Board) makes the
following Findings and Conclusions and issues a Hazardous
Waste Facility Installation and Operation Permit (Permit)

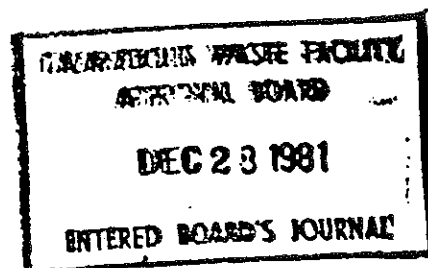
FINDINGS AND CONCLUSIONS

1. The Applicant has submitted to the Board a completed permit application, stating the facility was in operation immediately prior to October 9, 1980, and has paid the required permit fee.
2. The Ohio Environmental Protection Agency (Agency) and/or the United States Environmental Protection Agency has inspected the facility and has prepared an Interim Status Standards Survey (survey).
3. All public comments timely received have been reviewed, evaluated and considered by the Board and the Agency for their relevancy and materiality.
4. The Agency has reviewed and considered the information on the permit application, the results of the survey, the public comments, and other pertinent material and has concluded that the facility was in substantial compliance, as determined by the Director of Environmental Protection, with applicable statutes and rules in effect immediately prior to October 9, 1980.

5. The Agency has informed the Applicant of the requirements of applicable hazardous waste rules of which it was not in compliance.
6. The Agency has recommended to the Board that a permit be issued to the facility.
7. Review and consideration of the information on the permit application, the results of the survey, the public comments, recommendations and comments by the Agency, and other pertinent material regarding the Applicant and the facility is sufficient to determine whether the facility meets the requirements for permit issuance set forth in Section 3734.05(D) of the Revised Code.
8. The staff of the Board has reviewed and considered the information on the permit application, the results of the survey, the public comments, the recommendation and comments by the Agency, and other pertinent material regarding the Applicant and the facility and has recommended to the Board that a permit be issued.
9. Pursuant to Resolution No. 141-81, passed October 1 , 1981, the Board found that the facility:
 - a. Was in operation immediately prior to October 9, 1980,
 - b. Was in substantial compliance, as determined by the Director of Environmental Protection, with applicable statutes and rules in effect immediately prior to October 9, 1980,
 - c. Submitted a completed permit application, and
 - d. Has demonstrated to the Board that its operation after October 9, 1980 will comply with applicable performance standards adopted by the Director of Environmental Protection pursuant to division (D) of Section 3734.12 of the Revised Code.
10. Pursuant to such Resolution, the Board resolved and approved that a permit be issued with such standard terms and conditions set forth in the document entitled "Terms and Conditions" attached to the Resolution and such special terms and conditions as were approved by the Board.
11. The terms and conditions referenced in Finding Number 10 above, are attached hereto and incorporated herein.
12. Resolution No. 21-81, passed on August 26, 1981 and entered into the Journal of the Board on September 1, 1981, authorizes the Coordinator of the Board to:

I CERTIFY THIS COPY TO BE A TRUE AND
ACCURATE COPY OF THE OFFICIAL DOCUMENT
AS FILED IN THE RECORDS OF THE OHIO
HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY CR DATE 12/31/81



- a. Authorize the staff of the Board to issue to the facilities the Hazardous Waste Facility Installation and Operation Permits approved for issuance by resolution of the Board, and
- b. Have signing authority indicating that such action has been approved by the Board.

NOW THEREFORE, A HAZARDOUS WASTE FACILITY INSTALLATION AND OPERATION PERMIT IS ISSUED TO THE Applicant for the facility, subject to the Terms and Conditions attached hereto and incorporated herein.

FOR THE BOARD, BY
ORDER OF THE BOARD

Peggy J. Vince December 27, 1981

Entered into the Journal of the Board on Dec 28 __, 1981 by

Madeline Thomson/sec

I CERTIFY THIS COPY TO BE A TRUE AND
ACCURATE COPY OF THE OFFICIAL DOCUMENT
AS FILED IN THE RECORDS OF THE OHIO
HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY CK DATE 12/31/81

HAZARDOUS WASTE FACILITY
APPROVAL BOARD

DEC 28 1981

ENTERED BOARD'S JOURNAL

4/80

FORM 1



U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

FOH D 004 218673

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in appropriate fill-in area below. Also, if the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-8 which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

I CERTIFY THIS COPY TO BE A TRUE AND ACCURATE COPY OF THE ORIGINAL DOCUMENT AS FILED IN THE RECORD OF THE STATE HAZARDOUS WASTE FACILITY APPROVAL BOARD

BY DE J. J. J. DATE 12/21/81

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column. If the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'			SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X			D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP REPUBLIC STEEL CLEVELAND DISTRICT

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)

2 AGUIER L SUPT ENVIR CONTROL

B. PHONE (area code & no.)

216 622 6370

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 3100 EAST 45TH STREET

B. CITY OR TOWN

4 CLEVELAND

C. STATE

OH

D. ZIP CODE

44127

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

53100 EAST 45TH STREET

B. COUNTY NAME

CUYAHOGA

C. CITY OR TOWN

6 CLEVELAND

D. STATE

OH

E. ZIP CODE

44127

HAZARADOUS WASTE FACILITY APPROVAL BOARD

DEC 28 1981

CONTINUE ON REVER

ENTERED BOARD'S JOURNAL

Republicsteel

Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

November 17, 1980

EPA Region V
RCRA Activities
P.O. Box 7861
Chicago, IL. 60680

Subject: Hazardous Waste Permit
Part A Application Submittal

WL West
Director
WB Tucker Jr.
Assistant to the Director
LF Birkel
Assistant Director—Water
CM Brown
Assistant Director—Air
JB Bailey
Administrator
Environmental Procedures

In accordance with the Hazardous Waste Management Regulations authorized under the Resource Conservation and Recovery Act, the following Hazardous Waste Treatment/Storage/Disposal Facility permit Part A applications are attached.

1. Republic Steel Chicago District	ILD056623598
2. Republic Steel Central Alloy District-Canton	OHD004228003
3. Republic Steel Central Alloy District-Massillon	OHD066034729
4. Republic Steel Cleveland District	<u>OHD004218673</u>
5. Republic Steel Enduro Division Canton South	OHD004447322
6. Republic Steel Enduro Division Massillon	OHD990834129
7. Republic Steel Mahoning Valley District Warren	OHD060409521
8. Republic Steel Mahoning Valley District- Youngstown	No No. Assigned
9. Republic Steel Manufacturing Grp. Ind. Prod. Division	No No. Assigned

Sincerely,



D. M. Gubanc
Solid Waste Management Engineer

DMG/dh

Attachments

FORM 1	EPA	U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program <i>(Read the "General Instructions" before starting.)</i>	I. EPA I.D. NUMBER FOHD004218673
GENERAL II. FACILITY INFORMATION I. PA I.D. NUMBER III. FACILITY NAME V. FACILITY MAILING ADDRESS VI. FACILITY LOCATION		PLEASE PLACE LABEL IN THIS SPACE	GENERAL INSTRUCTIONS If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except V-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'			SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X			D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1	SKIP	REPUBLIC STEEL CLEVELAND DISTRICT
---	------	-----------------------------------

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 AGUIER L SUPT ENVIR CONTROL	216 622 6370

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX	B. CITY OR TOWN	C. STATE	D. ZIP CODE
3 3100 EAST 45TH STREET	CLEVELAND	OH	44127

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER	B. COUNTY NAME	C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
53100 EAST 45TH STREET	CUYAHOGA	CLEVELAND	OH	44127	

1. SIC CODES (4-digit, in order of priority)

A. FIRST				B. SECOND			
7	3	3	1	7	(specify)		
C. THIRD				D. FOURTH			
7	(specify)			7	(specify)		

VIII. OPERATOR INFORMATION

A. NAME										B. Is the name listed in Item VIII-A also the owner?	
REPUBLIC STEEL CORPORATION										<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)										D. PHONE (area code & no.)	
F = FEDERAL M = PUBLIC (other than federal or state) P (specify) S = STATE O = OTHER (specify) P = PRIVATE										216 622 5000	
E. STREET OR P.O. BOX											
0 BOX 6778											
F. CITY OR TOWN						G. STATE	H. ZIP CODE	IX. INDIAN LAND			
CLEVELAND						OH	4410	Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)										D. PSD (Air Emissions from Proposed Sources)									
9 N UH0000957										9 P									
B. UIC (Underground Injection of Fluids)										E. OTHER (specify)									
9 U										(specify)									
C. RCRA (Hazardous Wastes)										E. OTHER (specify)									
9										(specify)									

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

Integrated Steel Plant producing plate; zinc coated sheets and coil; bar products; hot-rolled sheet, coil and strip; cold rolled sheets, coil and strip; coke plant by-products

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)		B. SIGNATURE	C. DATE SIGNED
P. N. WIGTON, Vice President Steel Operations		<i>P. N. Wigton</i>	11-17-80
COMMENTS FOR OFFICIAL USE ONLY			
C			

REPUBLIC STEEL CORPORATION
Cleveland District

(See BLACK outlined area.)
Form 1 Item XI.

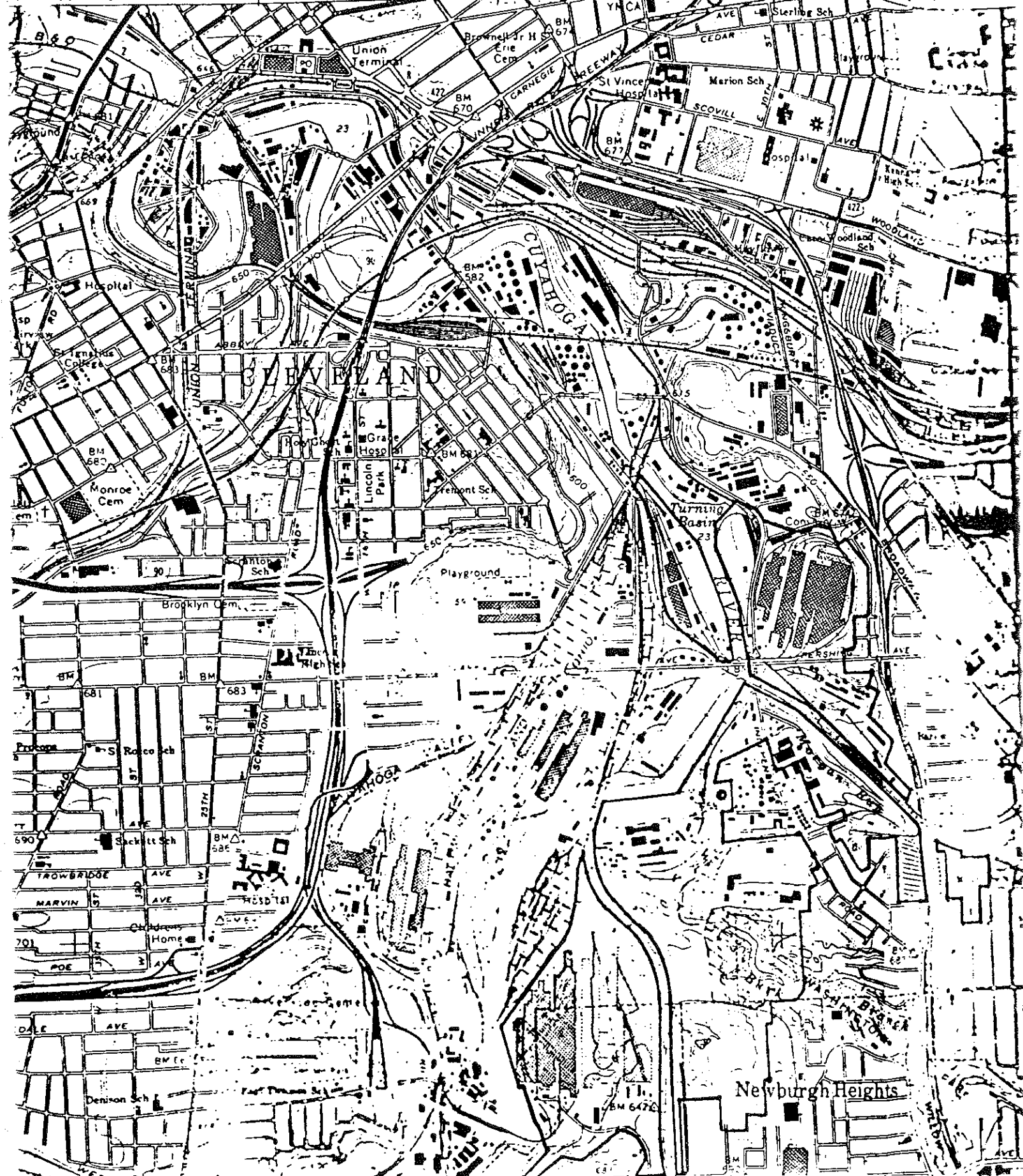
ASHTABULA 62 MI
BRATONEN 61 MI
"30" 2 1/2"

EUGENE 10 MI
EAST CLEVELAND 1 MI
4667 II SW
CLEVELAND NORTH 143

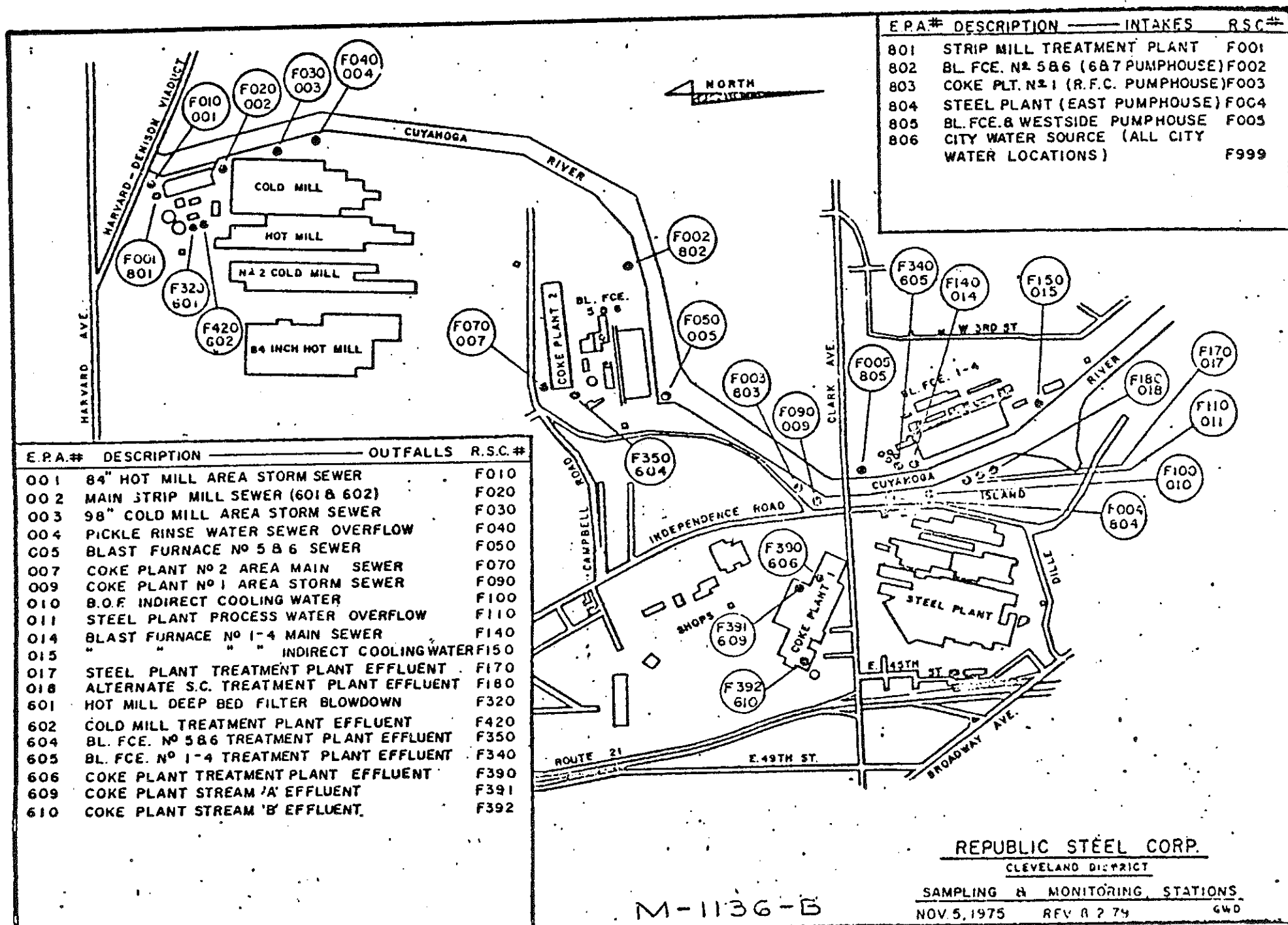
1 1/2 MI TO CINCINNATI

40'

1223



Form I Item XI 2024.





U.S. ENVIRONMENTAL PROTECTION AGENCY
HAZARDOUS WASTE PERMIT APPLICATION
Consolidated Permits Program
(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER
FOHDO004218673

RCRA

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)

COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☒ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

☐ 2. NEW FACILITY (Complete item below.)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

B. REVISED APPLICATION (place an "X" below and complete item I above)

☐ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS

Disposal:		
INJECTION WELL	D78	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

Treatment:

TANK
SURFACE IMPOUNDMENT
INCINERATOR

OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)

PRO-
CESS
CODE

APPROPRIATE UNITS OF
MEASURE FOR PROCESS
DESIGN CAPACITY

T01 GALLONS PER DAY OR
LITERS PER DAY
T02 GALLONS PER DAY OR
LITERS PER DAY
T03 TONS PER HOUR OR
METRIC TONS PER HOUR;
GALLONS PER HOUR OR
LITERS PER HOUR
T04 GALLONS PER DAY OR
LITERS PER DAY

UNIT OF MEASURE	CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U

UNIT OF MEASURE	CODE
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H

UNIT OF MEASURE	CODE
ACRE-FEET	A
HECTARE-METER	P
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C		DUP		V/A/C		1	
LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)			1. AMOUNT	2. UNIT OF MEASURE (enter code)
X-1	S 0 2	600	G	5			
X-2	T 0 3	20	E	6			
1	S 0 1	3,190	G	7			
2	S 0 2	158,460	G	8			
3	T 0 1	316,800	U	9			
4	I 0 1	1,080,000	U	10			

PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS.....	P	KILOGRAMS.....	K
TONS.....	T	METRIC TONS.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO. JZ	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES				
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (If a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3	D 8 0			
X-2	D 0 0 2	400	P	T 0 3	D 8 0			
X-3	D 0 0 1	100	P	T 0 3	D 8 0			
X-4	D 0 0 2							Included with above

EPA I.D. NUMBER (enter from page 1)

FOR OFFICIAL USE ONLY

W 0 H 0 0 4 2 1 8 6 7 3

W DUP

2 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

WASTE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES							
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (If a code is not entered in D(1))			
1	F 0 0 1	11	T	S 0 2				Recycled on coal to coke batter using sludge mill			
2	F 0 0 3	15	T	S 0 2				" " "			
3	F 0 1 7	290	P	S 0 2				" " "			
4	K 0 8 7	4,140	T	S 0 2				" " "			
5	K 0 6 2	53,500	T	S 0 2							
6	D 0 0 2	300	T	S 0 1	S 0 2			Coke Oven Gas Desulfurization Sludge and Liquor.			
7	D 0 0 2	388,355	T	T 0 1				Coke Plant Waste Ammonia Liquor			
8	D 0 0 2	887,230	T	T 0 1				Strip Mill Pickle Rinse Water			
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											

DESCRIPTION OF HAZARDOUS WASTES (continued)
E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)													
F	O	H	D	0	0	4	2	1	8	6	7	3	6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)				LONGITUDE (degrees, minutes, & seconds)			
4	1	2	8	0	1	4	

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER				2. PHONE NO. (area code & no.)					
E				11-18					
3. STREET OR P.O. BOX				4. CITY OR TOWN		5. ST.		6. ZIP CODE	
F				G					

IX. OWNER CERTIFICATION

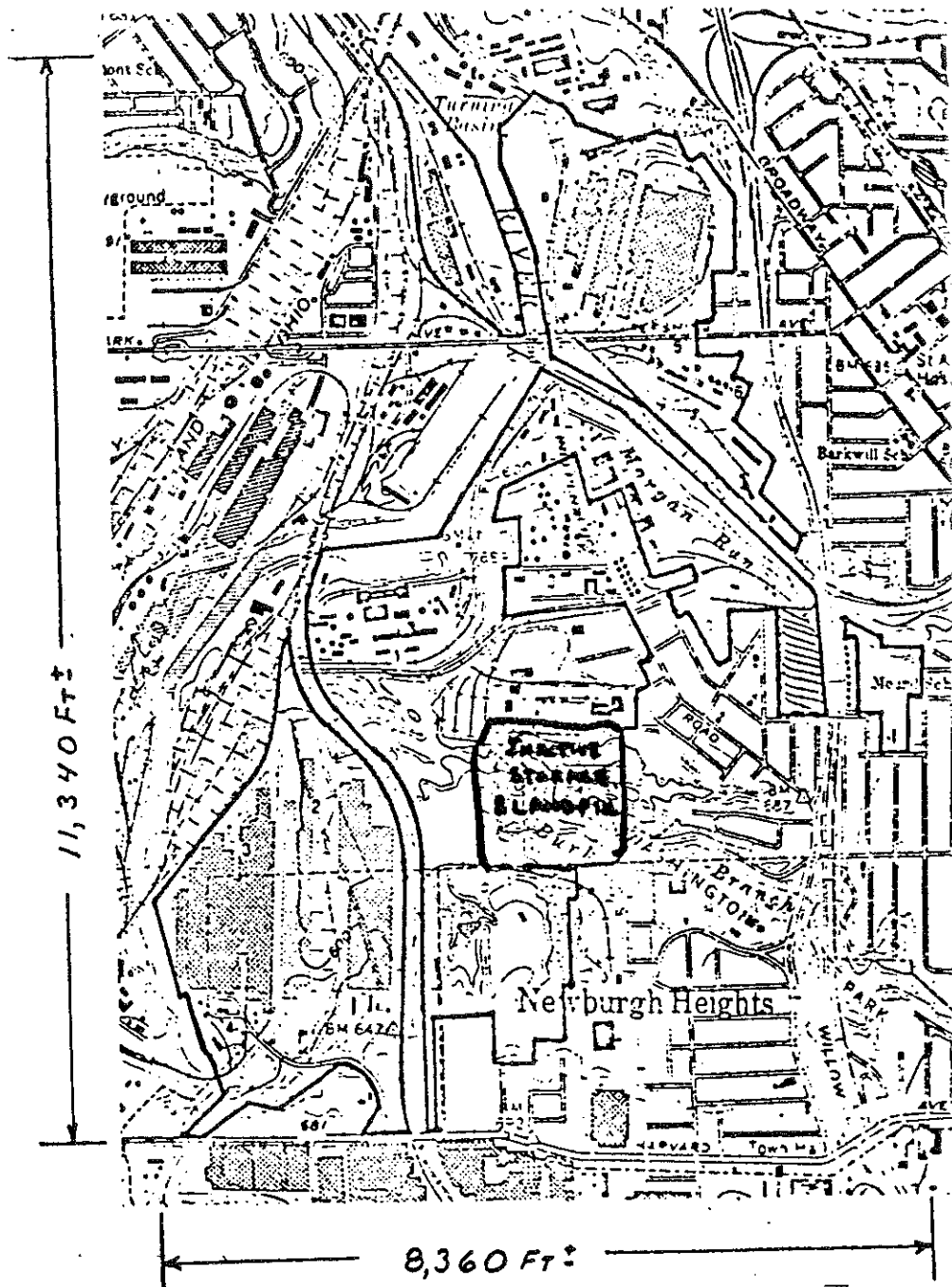
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type) P. N. WIGTON, Vice President Steel Operations	B. SIGNATURE <i>P. N. Wigton</i>	C. DATE SIGNED 11-17-80
---	-------------------------------------	----------------------------

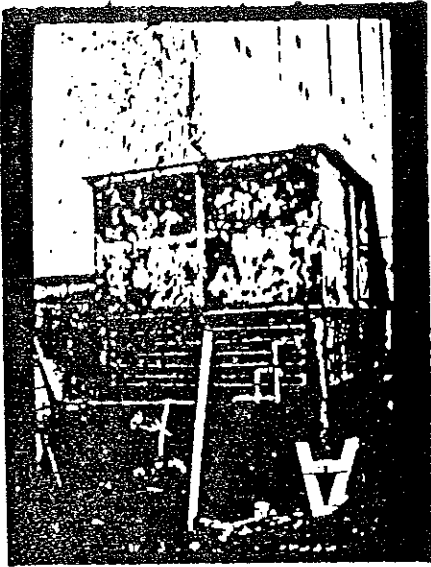
X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED



- 1 SLUDGE MILL 11' X 33' 2
- 2 84" PICKLER SPENT PICKLE LIQUOR TANKS AREA 19' X 82' 2
- 3 98" PICKLER SPENT PICKLE LIQUOR TANKS AREA 23' X 125' 2
- 4 PICKLE RINSE WATER NEUTRALIZATION & OXIDATION TANK AREA 68' X 19' 2
- 5 COKE OVEN GAS DESULFURIZATION:
 - DISPOSAL SUMP 12' X 9' 2
 - DRUM STORAGE AREA 21' X 9' 2
- 6 COKE PLANT WATER TREATMENT PLANT 182' X 135' 2



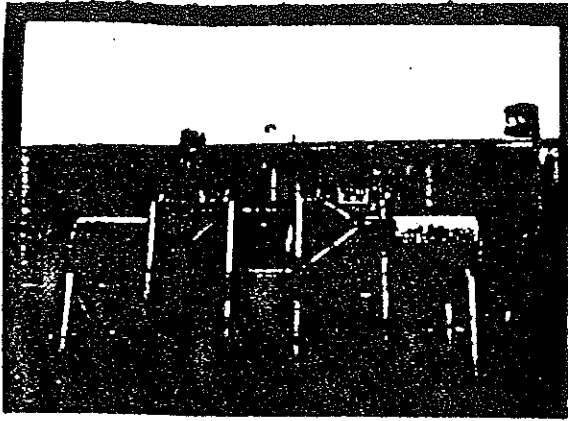
SLUDGE MILL STORAGE



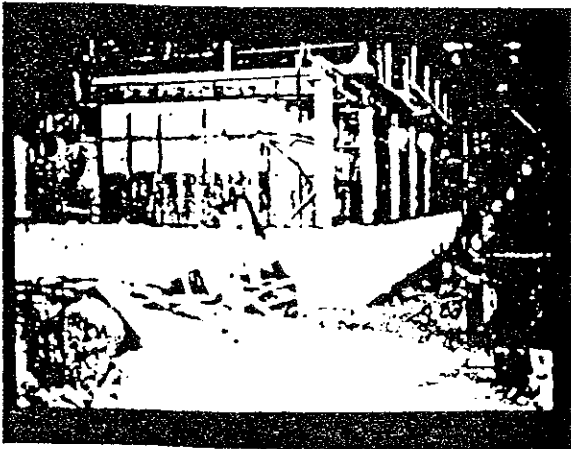
COKE OVEN GAS DESULFURIZATION
DISPOSAL SUM



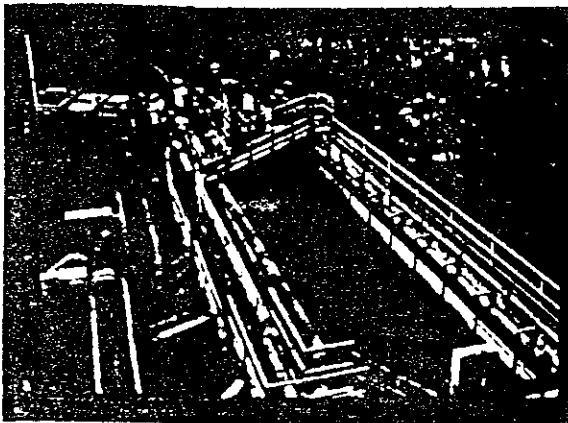
DRUM STORAGE AREA



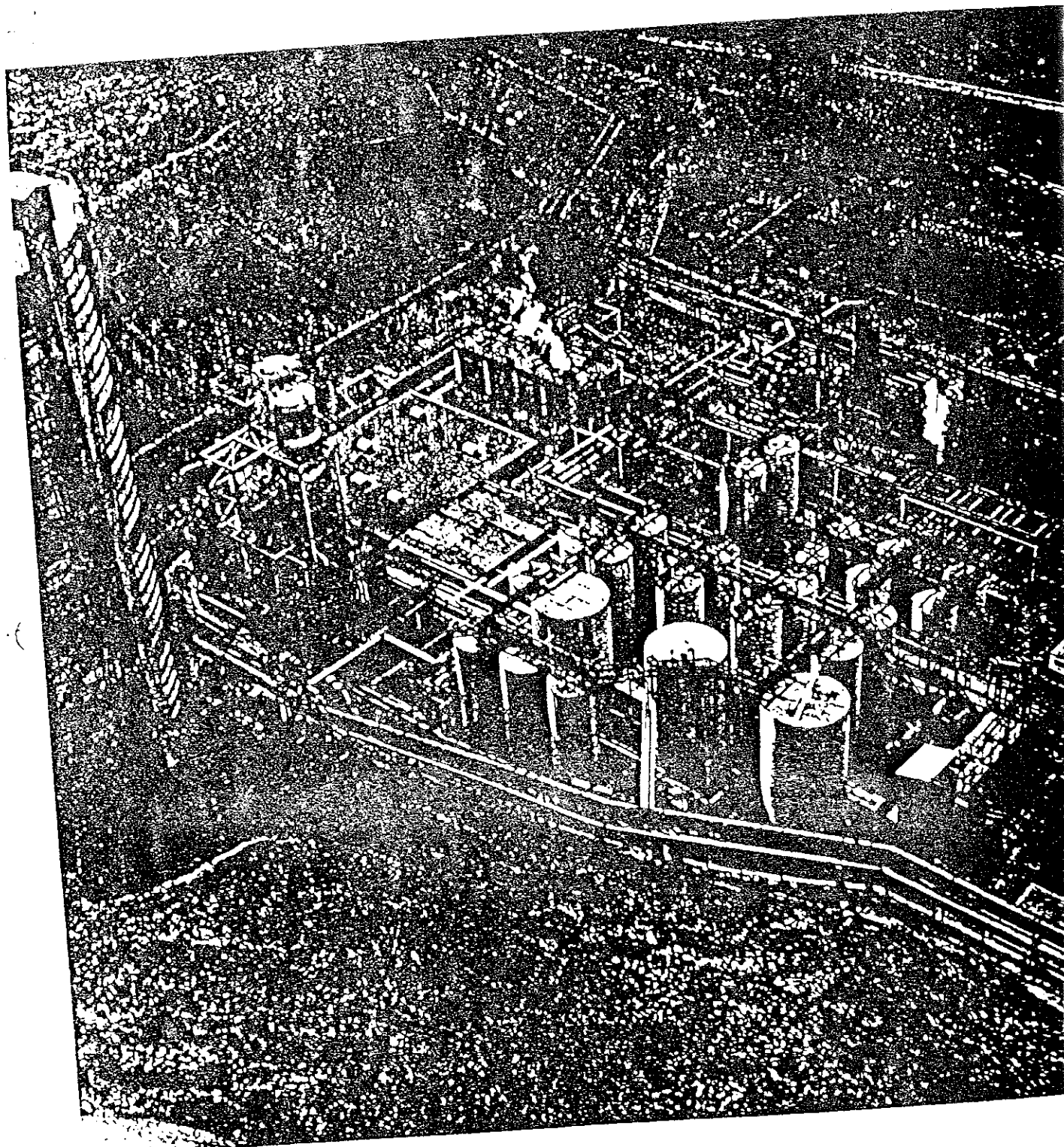
84" PICKLER SPENT PICKLE
LIQUOR STORAGE TANK



98" PICKLER SPENT PICKLE
LIQUOR STORAGE TANKS



PICKLE RINSE WATER
NEUTRALIZATION AND
OXIDATION TANK



1081:

PLANT

5627

ATTACHMENT C

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Please refer to the Instructions for Filling Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

☐ A. First Notification ☒ B. Subsequent Notification (Complete Item C)

C. Installation's EPA ID Number

O H D O O 4 2 1 8 6 7 3

II. Name of Installation (Include company and specific site name)

L T V S T E E L C O M P A N Y C L E V E E A S T

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

3 1 0 0 E A S T 4 5 S T R E E T

Street (Continued)

City or Town

C L E V E L A N D

State

Zip Code

O H 4 4 1 2 7 -

County Code

County Name

O 1 8 C U Y A H O G A

IV. Installation Mailing Address (See Instructions)

Street or P.O. Box

S A M E

City or Town

State

Zip Code

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (Last)

(First)

N E M E T H

R I C H A R D

Job Title

Phone Number (Area Code and Number)

M A N A G E R E N V I R O N

2 1 6 - 4 2 9 - 6 3 7 0

VI. Installation Contact Address (See Instructions)

A. Contact Address
Location Mailing Other

B. Street or P.O. Box

City or Town

State

Zip Code

VII. Ownership (See Instructions)

A. Name of Installation's Legal Owner

L T V S T E E L C O M P A N Y I N C

Street, P.O. Box, or Route Number

3 1 0 0 E A S T 4 5 S T R E E T

City or Town

State

Zip Code

C L E V E L A N D

O H

4 4 1 2 7 -

Phone Number (Area Code and Number)

B. Land Type

C. Owner Type

D. Change of Owner Indicator

(Date Changed)

2 1 6 - 4 2 9 - 6 3 7 0

P

P

Yes

X

No

Month

Day

Year

ID - For Official Use Only

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes; Refer to Instructions)

A. Hazardous Waste Activity

1. Generator (See Instructions)
☒ a. Greater than 1000kg/mo (2,200 lbs.)
☐ b. 100 to 1000 kg/mo (200-2,200 lbs.)
☐ c. Less than 100 kg/mo (220 lbs.)
2. Transporter (Indicate Mode in boxes 1-5)
☐ a. For own waste only
☐ b. For commercial purposes

Mode of Transportation

- ☐ 1. Air
☐ 2. Rail
☐ 3. Highway
☐ 4. Water
☐ 5. Other - specify

- ☐ 3. Treater, Storer, Disposer (at Installation) Note: A permit is required for this activity; see Instructions.
4. Hazardous Waste Fuel
☐ a. Generator Marketing to Burner
☐ b. Other Marketers
☐ c. Boiler and/or Industrial Furnace
☐ 1. Smelter/Referral
☐ 2. Small Quantity Exemption
Indicate Type of Combustion Device(s)
☐ 1. Utility Boiler
☐ 2. Industrial Boiler
☐ 3. Industrial Furnace
☐ 5. Underground Injection Control

B. Used Oil Recycling Activities

1. Used Oil Fuel Marketer
☐ a. Marketer Directs Shipment of Used Oil to Off-Specification Burner
☐ b. Marketer Who First Claims the Used Oil Meets the Specifications
2. Used Oil Burner - Indicate Type(s) of Combustion Device(s)
☐ a. Utility Boiler
☒ b. Industrial Boiler
☒ c. Industrial Furnace
3. Used Oil Transporter - Indicate Type(s) of Activity(ies)
☐ a. Transporter
☐ b. Transfer Facility
4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
☐ a. Process
☐ b. Re-refine

IX. Description of Hazardous Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. (Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001) ☒ 2. Corrosive (D002) ☒ 3. Reactive (D003) ☐ 4. Toxicity Characteristic (List specific EPA hazardous waste number(s) for the Toxicity characteristic containment(s))
☒ D 0 0 6 ☒ D 0 0 7 ☐ D 0 0 8 ☐ D 0 0 9

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33; See Instructions if you need to list more than 12 waste codes.)

1 K 0 6 2	2 F 0 0 3	3 F 0 0 5	4	5	6
7	8	9	10	11	12

C. Other Wastes. (State or other wastes requiring a handler to have an LD. number; See Instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature



Name and Official Title (Type or print)

R. W. WILLIAMS, GENERAL MANAGER

Date Signed

6/19/95

XI. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

LTV Steel Company

file
RCRA
Any Waste



September 10, 1991

RECEIVED

SEP 13 1991

Mr. Gary Victorine (5HR-13)
U. S. EPA, Region 5
230 S. Dearborn Street
Chicago, Illinois 60604

ENVIRONMENTAL CONTROL DISTRICT
CLEVELAND DISTRICT

Re: BIF Rule Notification Response
LTV Steel Company, Inc.
Cleveland, Ohio
OHD 004 218 673

Dear Mr. Victorine:

This correspondence is in response to an undated BIF Rule letter, signed by William E. Muno, received by this facility on August 14, 1991. The most recent "subsequent notification" of hazardous waste activities for the above facility was submitted to U. S. EPA in April 1987. This notification was acknowledged by the agency on May 15, 1989. Copies of both documents are attached.

LTV Steel burns Specification and Off-Specification Used Oil fuel in industrial furnaces. As no hazardous wastes or hazardous waste derived fuels are burned in these furnaces, the February 21, 1991 BIF regulations do not apply to this facility. Please update your records accordingly. Feel free to call me at 216/429-6535 if you have any questions.

Tom Harlan

Tom J. Harlan, Jr.
Sr. Environmental Management Engineer

Enclosures

cc: ✓ R. L. Nemeth
D. E. Papajcik
L. A. Szuhay
(All w/enclosures)



5/22 LAS
SR
file

TSH / per East

RECEIVED

MAY 19 1989

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
RCRA ACTIVITIES
P.O. BOX A3587
CHICAGO, ILLINOIS 60690

ENVIRONMENTAL CONTROL SECT
CLEVELAND DISTRICT

RCRA ACTIVITIES

5-15-89

RE: EPA ID #: OH0004218673

In response to your request of 4-1-87, the following information has been updated on your notification:

Waste activity updated to include off-specification used oil. Name changed to LTV Steel. Waste Codes added. Installation contact changed.

Only your notification form has been revised. According to our records your company notified as a treater/storer/disposer (TSD) facility. Pursuant to 40 CFR Part 270.72 (or equivalent State regulations), you must submit a revised Part A permit application prior to changes in ownership or operational control. If you have ceased your TSD activities, you must go through closure pursuant to 40 CFR Part 264/265 Subpart G (or equivalent State regulations). If you have never operated as a TSD facility, you must withdraw your Part A permit application. If you are located in the authorized States of Illinois, Indiana, Michigan, Minnesota, or Wisconsin, you must comply with the States' equivalent to the above referenced Federal rules. You must also submit the necessary documentation to the State contacts on the attached list.

Please contact the appropriate State agency on the enclosure for further information. If your facility is located in Ohio, contact Mr. George Hamper of the U.S. Environmental Protection Agency's Ohio Technical Section at (312) 353-4789.

Failure to act on this is a serious violation and may subject you to Federal or State enforcement actions under Section 3008 of the Resource Conservation and Recovery Act (or equivalent State authority). If you have any questions concerning this letter contact Ms. Sharon Kiddon at (312) 886-6173.

Sincerely,

Arthur S. Kawatachi, Chief
Information Section
RCRA Program Management Branch

Enclosure

cc: State Agency
Part A File



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
RCRA ACTIVITIES
P.O. BOX A3587
CHICAGO, ILLINOIS 60690

ILLINOIS

Illinois Environmental Protection Agency
Division of Land Pollution Control
2200 Churchill Road, #24
Springfield, Illinois 62706
(217) 782-6761

INDIANA

Indiana Department of Environmental Management
Office of Solid & Hazardous Waste
105 South Meridian
Indianapolis, Indiana 46225
(317) 232-4535

MICHIGAN

Michigan Department of Natural Resources
Hazardous Waste Division
Waste Evaluation Unit
Box 30028
Lansing, Michigan 48909
(517) 373-2730

MINNESOTA

Minnesota Pollution Control Agency
Solid & Hazardous Waste Division
520 Lafayette Road
St. Paul, Minnesota 55155
(612) 297-1779

WISCONSIN

Wisconsin Department of Natural Resources
Bureau of Solid Waste Management
P.O. Box 7921
Madison, Wisconsin 53707
(608) 266-0272

Agency
87-7124

EPA Notification of Hazardous Waste Activity

Comments

[illegible][illegible]

Street or P.O. Box

C						E	A	S	T			4	5	T	H		S	T	R	E	E	T							
3	3	1	0	0		E	A	S	T			4	5	T	H		S	T	R	E	E	T							
	City or Town																					State		ZIP Code					
C						C	L	E	V	E	L	A	N	D									O	H	4	4	1	2	7
6	C	L	E	V	E	L	A	N	D														O	H	4	4	1	2	7

Street or Route Number

C	3	1	0	0		E	A	S	T		4	5	T	H		S	T	R	E	E	T								
6	City or Town																				State		ZIP Code						
C	C	L	E	V	E	L	A	N	D													O	H	4	4	1	2	7	
6																													

Name and Title (last, first, and job title)

[illegible]

A. Name of Installation's Legal Owner

C	L	T	V		S	T	E	E	L		C	O		I	N	C				P
R																				

Circle "M" or "X" in the appropriate boxes. Refer to instructions.

A. Hazardous Waste Activity

☒ 1a. Generator ☐ 1b. Less than 1,000 kg/mo.

☐ 2. Transporter

☒ 3. Treater/Store/Disposer

☐ 4. Underground Injection

☐ 5. Market or Burn Hazardous Waste Fuel
(enter "X" and mark appropriate boxes below)

☐ a. Generator Marketing to Burner

☐ b. Other Marketer

☐ c. Burner

B. Used Oil Fuel Activities

☒ 6. Off-Specification Used Oil Fuel Marketer (or Oil Fuel Burner) Who First Claims the Oil Meets the Specification

☐ a. Generator Marketers to Burner

☐ b. Other Marketers

☒ c. Burner

☐ 7. Specification Used Oil Fuel Marketer (or Oil Fuel Burner) Who First Claims the Oil Meets the Specification

☐ A Utility Boiler

VIII. Mode of Transportation (transporters only — enter "X" in the appropriate boxes)

☐ A. Air ☐ B. Rail ☐ C. Highway ☐ D. Water ☐ E. Other (specify)

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

☐ A. First Notification ☒ B. Subsequent Notification (complete item C)

ID - For Official Use Only									
C									T/A C
W									1

X. Description of Hazardous Wastes (continued from front)

A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
F 0 0 1	F 0 0 2				
7	8	9	10	11	12

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
K 0 6 2	K 0 8 7				
19	20	21	22	23	24
25	26	27	28	29	30

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. Listed Infectious Wastes. Enter the four-digit number from 40 CFR Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.


49	50	51	52	53	54

E. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24)

- ☒ 1. Ignitable (D001)
 ☐ 2. Corrosive (D002)
 ☐ 3. Reactive (D003)
 ☒ 4. Toxic (D000)

XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature 	Name and Official Title (type or print) J. F. Bush, General Manager	Date Signed 3/29/87
--	--	------------------------

EPA		U.S. ENVIRONMENTAL PROTECTION AGENCY		NOTIFICATION OF HAZARDOUS WASTE ACTIVITY	
INSTALLATION'S EPA I.D. NO.		AUG 15 1980			
I. NAME OF INSTALLATION		ENVIRONMENTAL CONTROL			
II. INSTALLATION MAILING ADDRESS		PLEASE PLACE LABEL IN THIS SPACE			
III. LOCATION OF INSTALLATION					
INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).					
FOR OFFICIAL USE ONLY					
COMMENTS					
C					
INSTALLATION'S EPA I.D. NUMBER					
APPROVED					
DATE RECEIVED (yr., mo., & day)					
I. NAME OF INSTALLATION					
REPUBLIC STEEL CLEVELAND DISTRICT					
II. INSTALLATION MAILING ADDRESS					
STREET OR P.O. BOX					
33100 EAST 45 TH STREET					
CITY OR TOWN					
CLEVELAND					
ST. ZIP CODE					
OH 44127					
III. LOCATION OF INSTALLATION					
STREET OR ROUTE NUMBER					
53100 EAST 45 TH STREET					
CITY OR TOWN					
CLEVELAND					
ST. ZIP CODE					
OH 44127					
IV. INSTALLATION CONTACT					
NAME AND TITLE (last, first, & job title)					
2 AGUIER L SUPT ENVIR CONTROL					
PHONE NO. (area code & no.)					
216-622-6370					
V. OWNERSHIP					
A. NAME OF INSTALLATION'S LEGAL OWNER					
8 REPUBLIC STEEL CORPORATION					
B. TYPE OF OWNERSHIP (enter the appropriate letter into box)					
VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))					
F = FEDERAL M = NON-FEDERAL					
M					
A. GENERATION					
B. TRANSPORTATION (complete item VII)					
C. TREAT/STORE/DISPOSE					
D. UNDERGROUND INJECTION					
VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))					
A. AIR					
B. RAIL					
C. HIGHWAY					
D. WATER					
E. OTHER (specify):					
VIII. FIRST OR SUBSEQUENT NOTIFICATION					
Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.					
A. FIRST NOTIFICATION					
B. SUBSEQUENT NOTIFICATION (complete item C)					
C. INSTALLATION'S EPA I.D. NO.					
IX. DESCRIPTION OF HAZARDOUS WASTES					
Please go to the reverse of this form and provide the requested information.					

I.D. - FOR OFFICIAL USE ONLY											
W											
1	2	3	4	5	6	7	8	9	10	11	12

IX. DESCRIPTION OF HAZARDOUS WASTES (continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1 F 0 0 1 23 - 26	2 F 0 0 3 23 - 26	3 F 0 0 6 23 - 26	4 F 0 0 7 23 - 26	5 F 0 0 9 23 - 26	6 F 0 1 0 23 - 26
7 F 0 1 6 23 - 26	8 F 0 1 7 23 - 26	9 23 - 26	10 23 - 26	11 23 - 26	12 23 - 26

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13 K 0 6 2 23 - 26	14 K 0 6 3 23 - 26	15 K 0 8 7 23 - 26	16 23 - 26	17 23 - 26	18 23 - 26
19 23 - 26	20 23 - 26	21 23 - 26	22 23 - 26	23 23 - 26	24 23 - 26
25 23 - 26	26 23 - 26	27 23 - 26	28 23 - 26	29 23 - 26	30 23 - 26

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31 23 - 26	32 23 - 26	33 23 - 26	34 23 - 26	35 23 - 26	36 23 - 26
37 23 - 26	38 23 - 26	39 23 - 26	40 23 - 26	41 23 - 26	42 23 - 26
43 23 - 26	44 23 - 26	45 23 - 26	46 23 - 26	47 23 - 26	48 23 - 26

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49 23 - 26	50 23 - 26	51 23 - 26	52 23 - 26	53 23 - 26	54 23 - 26
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E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

☐ 1. IGNITABLE
(D001)

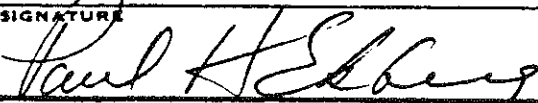
☒ 2. CORROSIVE
(D002)

☐ 3. REACTIVE
(D003)

☒ 4. TOXIC
(D004)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE 	NAME & OFFICIAL TITLE (type or print) P. H. Ekberg, District Manager	DATE SIGNED 8/19/80
--	---	------------------------



ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

*ORD004218673

INSTALLATION ADDRESS

REPUBLIC STEEL CLEVELAND DISTRICT
3100 EAST 45TH STREET
CLEVELAND OH 44127

3100 EAST 45TH STREET
CLEVELAND OH 44127

EPA Form 8700-12A (4-80)



Official Business
Penalty for Private Use
\$300

United States
Environmental Protection
Agency (WH-543)

Washington, DC 20460

FIRST-CLASS MAIL
POSTAGE & FEES PAID
EPA
PERMIT NO. G-35

TO: REPUBLIC STEEL CLEVELAND DISTRICT
3100 EAST 45TH STREET
CLEVELAND OH 44127

HOLD
FIRMLY
HERE

ACKNOWLEDGEMENT
OF NOTIFICATION
OF HAZARDOUS
WASTE ACTIVITY

EPA Form 8700-12A (4-80)

ATTACHMENT D

Daily Operations Log - For March 1996 - Non-Haz Oil Program

For Company: Research Oil Co.

Physical Form = Liquid Unless Otherwise Specified

Date	Manifest Number	Generator	Count	Type	Qty	Unit	Material Descr	Handling Code	EPA Codes	Civ (ppm)	Clt (ppm)	Rec Tank
3/21/96	01097	Ferro Corp	1	TT	4500	G	wo	M061		ND	2220	302
3/21/96	96334	Viking Tool	1	TT	750	G	ww/wo	M061		ND	ND	103/129
3/21/96	96331	Starlite Diversified	1	TT	2125	G	ww/wo	M061		ND	ND	103/129
3/21/96	45716	Akzo Salt	1	TT	5000	G	ww	M094		ND	ND	11
3/21/96	45731	PPG Ind.	1	TT	4500	G	wo	M061		ND	ND	302
3/21/96	43820	LTV 126/127	1	TT	5325	G	ww/wo	M061		ND	ND	129
3/21/96	45725	Ohio Jacobson	1	TT	5000	G	ww/wo	M094		ND	20	105
3/21/96	45734	Profile Grinding	1	TT	1000	G	ww/wo	M061		ND	370	103/129
3/21/96	45734	Torpedo Wire & Strip	1	TT	1000	G	ww/wo	M061		ND	ND	103/129
3/21/96	96329	Johnson Controls	1	TT	850	G	ww/wo	M061		ND	ND	103/129
3/21/96	96291	Arro Forge	1	TT	275	G	ww/wo	M061		ND	ND	103/129
3/21/96	45646	Hussey Copper	1	TT	5397	G	ww	M094		NT	NT	98
3/21/96	49730	WPS Allenport	1	TT	5421	G	ww/wo	M061		ND	ND	129
3/21/96	45728	WPS Yorkville	1	TT	5000	G	ww/wo	M061		ND	ND	129
3/21/96	25226	Northwest Airlines	1	TT	1200	G	ww	M094		NT	NT	98
3/21/96	43617	Hilltop Landfill	1	TT	5500	G	ww	M094		NT	NT	11
3/21/96	43819	LTV 126/127	1	TT	4905	G	ww/wo	M061		ND	42	129
3/21/96	45724	Preferred Rubber	1	TT	800	G	ww/wo	M061		ND	53	129
3/21/96	73913	7 & 7	1	TT	5661	G	ww	M094		NT	NT	98
3/21/96	45726	Albrecht	1	TT	750	G	ww/wo	M061		ND	570	129
3/21/96	45733	SC Mfg	1	TT	1075	G	ww/wo	M061		ND	570	129
3/21/96		Small Oil Pick-ups	1	TT	1325	G	wo	M061		ND	570	129
3/21/96	45738	LTV Steel Gate 8	1	TT	3000	G	ww/wo	M061		ND	480	129
3/21/96	45640	Target Stamp	1	TT	2000	G	ww	M094		ND	ND	103
3/21/96	45645	Hussey Copper	1	TT	6000	G	ww/wo	M094		ND	ND	105
3/21/96	45722	Rotek	1	TT	1450	G	wo	M061		ND	ND	302
3/22/96	45785	Akzo Salt	1	TT	5000	G	ww	M094		ND	ND	11
3/22/96	45821	Rexroth	1	TT	5000	G	ww/wo	M061		ND	ND	129
3/22/96	43821	LTV 126/127	1	TT	5082	G	ww	M094		ND	ND	129
3/22/96	45756	Ridge Tool	1	TT	4500	G	ww	M094		ND	460	103
3/22/96	45755	Worthington Precision Metals	1	TT	5000	G	ww	M094		ND	7640	103
3/22/96	45753	Perfection	1	TT	3000	G	ww	M094		ND	ND	103
3/22/96	45751	WP Allenport	1	TT	5000	G	ww/wo	M061		ND	ND	129
3/22/96	45752	MRC Bearing	1	TT	5000	G	ww/wo	M061		ND	1380	98/129
3/22/96	00340	LTV Aliquippa	1	TT	5000	G	ww/wo	M061		ND	ND	129
3/22/96	45803	Parker Hannifin	1	TT	2800	G	ww/wo	M061		ND	ND	105/129
3/22/96	45747	Earl Corey Co.	1	TT	5500	G	wo	M061		ND	ND	302
3/22/96	45743	Gradall	1	TT	3000	G	ww	M094		NT	NT	103
3/22/96	03250	Eljer Pumbingware	1	TT	4800	G	ww	M094		NT	NT	11

Legend: ww=wastewater/liquid, wo=waste oil/liquid, ws=waste sludge/solid, M061=fuel blending, M094=wastewater pretreatment

ND=less than 50 ppm, NT=not tested (no free oil layer)

Daily Operations Log - For March 1996 - Non-Haz Oil Program
For Company: Research Oil Co.
Physical Form = Liquid Unless Otherwise Specified

Date	Manifest Number	Generator	Count	Type	Qty	Unit	Material Descr	Handling Code	EPA Codes	Civ (ppm)	Clt (ppm)	Rec Tank
3/22/96	45742	Jergins, Inc.	1	TT	1500	G	ww/wo	M061		ND	1260	129
3/22/96		Small Oil Pickup	1	TT	950	G	wo	M061		ND	1260	129
3/22/96	03251	Nordson Corp.	1	TT	2600	G	ww	M094		ND	ND	103
3/22/96	45748	New Castle Rolling	1	TT	5000	G	ww/wo	M061		485	485	129
3/22/96	45740	BFI Glenwillow	1	TT	5000	G	ww	M094		NT	NT	103
3/22/96	45746	Bardons & Oliver	1	TT	1600	G	ww/wo	M061		ND	ND	105
3/22/96	45749	BF Goodrich	1	TT	5663	G	ww	M094		ND	ND	105
3/22/96	45735	Wheatland Tube	1	TT	5500	G	ww	M094		ND	ND	103
3/22/96	45723	PHB Parker	1	TT	5000	G	ww/wo	M061		ND	ND	98
3/22/96	45754	AJ Rose	1	TT	2800	G	ww/wo	M094		ND	ND	105
3/22/96		BFI Cleveland	1	TT	2487	G	ww	M094		ND	ND	103
3/23/96	34681	Chrysler	1	TT	5341	G	ww/wo	M061		ND	ND	301
3/23/96	96009	Midland Steel	1	TT	3000	G	ww	M094		NT	NT	103
3/23/96	45806	Akzo Salt	1	TT	5000	G	ww	M094		ND	ND	11
3/23/96	45902	Barmet Aluminum	1	TT	4781	G	ww/wo	M061		ND	ND	103/129
3/23/96	45817	Akzo Salt	1	TT	5000	G	ww	M094		NT	NT	11
3/23/96	45822	Eaton Corp.	1	TT	5000	G	ww/wo	M061		ND	295	103/129
3/23/96	43822	LTV 126/127	1	TT	4983	G	ww/wo	M061		ND	ND	129
3/23/96	43823	LTV 126/127	1	TT	5676	G	ww/wo	M061		ND	ND	129
3/23/96	45804	Akzo Salt	1	TT	5000	G	ww	M094		ND	ND	11
3/23/96	96008	Midland Steel	1	TT	5500	G	ww	M094		NT	NT	103
3/23/96	45808	PHB Parker	1	TT	5000	G	ww/wo	M061		ND	ND	103/127
3/23/96	00001	Universal Steel	1	TT	2000	G	ww/wo	M061		ND	ND	129
3/23/96	45810	Elliot Brother	1	TT	5000	G	ww/wo	M061		ND	336	103/129
3/23/96	45827	Flo-Tork	1	TT	1500	G	ww/wo	M061		ND	ND	103/129
3/23/96	45805	Cardell Corp	1	TT	700	G	ww/wo	M061		377	990	129
3/23/96	45807	American Metal	1	TT	1100	G	ww/wo	M061		377	990	129
3/23/96	45816	SPS Tech	1	TT	5000	G	ww/wo	M061		40	356	103/129
3/23/96	45750	Akzo Salt	1	TT	5000	G	ww	M094		ND	ND	11
3/23/96	45784	Akzo Salt	1	TT	5000	G	ww	M094		ND	ND	11
3/23/96	33623	Noco	1	TT	4953	G	ww/wo	M061		ND	530	103/129
3/24/96	45812	WP Yorkville	1	TT	3770	G	ww	M094		NT	NT	98
3/24/96	45818	Akzo Salt	1	TT	5000	G	ww	M094		ND	ND	11
3/24/96	45823	Rotek	1	TT	4500	G	ww	M094		ND	ND	98/129
3/24/96	45826	Akzo Salt	1	TT	5300	G	ww	M094		NT	NT	11
3/24/96	45819	P & K Oil Services	1	TT	5000	G	ww/wo	M061		ND	154	105
3/24/96	45835	WP Yorkville	1	TT	4160	G	ww/wo	M061		ND	ND	98/129
3/24/96	45820	New Castle Rolling Mills	1	TT	5000	G	ww	M094		ND	ND	105
3/24/96	43824	LTV 126/127	1	TT	4315	G	ww/wo	M061		ND	312	129

Legend: ww=wastewater/liquid, wo=waste oil/liquid, ws=waste sludge/solid, M061=fuel blending, M094=wastewater pretreatment
ND=less than 50 ppm, NT=not tested (no free oil layer)

Daily Operations Log - For March 1996 - Non-Haz Oil Program

For Company: Research Oil Co.

Physical Form = Liquid Unless Otherwise Specified

Date	Manifest Number	Generator	Count	Type	Qty	Unit	Material Descr	Handling Code	EPA Codes	Civ (ppm)	Clt (ppm)	Rec Tank
3/24/96	45825	Akzo Salt	1	TT	5000	G	ww	M094		NT	NT	11
3/25/96	960AP	Copperweld Shelby	1	TT	3397	G	ww	M094		ND	ND	98
3/25/96	45837	Design Metals	1	TT	5216	G	ww	M094		ND	ND	98
3/25/96	960AS	Copperweld Shelby	1	TT	4269	G	ww	M094		ND	ND	98
3/25/96	01248	Exxon	1	TT	5421	G	ww/wo	M061		ND	ND	129
3/25/96	45919	LTV Mobil Equipment	1	TT	100	G	ww/wo	M061		ND	ND	129
3/25/96	45918	LTV Steel	1	TT	977	G	ww/wo	M061		ND	ND	129
3/25/96	45840	Worthington Precision Metals	1	TT	5000	G	ww	M094		ND	ND	103
3/25/96	73912	7 & 7	1	TT	5261	G	ww	M094		ND	ND	98
3/25/96	45839	WP Allenport	1	TT	5184	G	ww/wo	M061		ND	ND	129
3/25/96	96335	Starlite Inc.	1	TT	1350	G	ww	M094		ND	ND	105
3/25/96	96336	Channellock	1	TT	4000	G	ww	M094		ND	ND	105
3/25/96	43826	LTV 126/127	1	TT	5682	G	ww/wo	M061		ND	ND	129
3/25/96	45836	LTV Steel	1	TT	3000	G	ww/wo	M061		ND	ND	98/129
3/25/96	45834	Werner Co.	1	TT	4600	G	ww/wo	M061		ND	ND	105
3/25/96	45838	On-Spec Fuels	1	TT	5000	G	ww/wo	M061		ND	261	103/129
3/25/96	960A0	Copperweld Shelby	1	TT	5231	G	ww	M094		ND	ND	103
3/25/96	45809	PHB Parker	1	TT	5000	G	ww	M094		ND	ND	103
3/25/96	45828	LTV Kirby Road	1	TT	4500	G	ww	M094		NT	NT	98
3/25/96	45830	Teledyne Fluid	1	TT	2300	G	ww	M094		NT	NT	103
3/25/96	45829	Akzo Salt	1	TT	5000	G	ww	M094		NT	NT	11
3/25/96	43618	Hilltop Landfill	1	TT	5000	G	ww	M094		NT	NT	11
3/25/96	42626	Stanley Air	1	TT	1100	G	wo	M061		ND	ND	302
3/25/96	03659	JW Harley	1	TT	400	G	wo	M061		ND	ND	302
3/26/96	960AT	Copperweld Shelby	1	TT	4134	G	ww	M094		NT	NT	98
3/26/96	45941	Copperweld Shelby	1	TT	3628	G	ww/wo	M061		ND	ND	129
3/26/96	45942	Ohio Jacobson	1	TT	4000	G	ww/wo	M061		ND	ND	105
3/26/96	45935	Owen Brockway	1	TT	1400	G	ww/wo	M061		ND	ND	129
3/26/96	43828	LTV 126/127	1	TT	5381	G	ww/wo	M061		ND	ND	129
3/26/96	45945	LTV Jennings	1	TT	1968	G	ww/wo	M061		ND	ND	129
3/26/96	45931	Wheeling Pitt Steel	1	TT	5666	G	ww/wo	M061		ND	ND	129
3/26/96	45932	Wheeling Pitt Steel	1	TT	5000	G	ww/wo	M061		ND	ND	129
3/26/96	50715	Exxon	1	TT	4547	G	wo	M061		ND	ND	302
3/26/96	45922	Akzo Salt	1	TT	5000	G	ww	M094		NT	NT	11
3/26/96	45927	On-Spec Fuels	1	TT	5000	G	ww/wo	M061		ND	ND	302
3/26/96	45924	Argo Tech	1	TT	2700	G	ww/wo	M094		ND	ND	105/129
3/26/96	60187	Envirosafe	1	TT	5453	G	ww	M094		NT	NT	11
3/26/96	00001	Dresser Rand Tube Products	1	TT	4500	G	ww	M094		ND	ND	98
3/26/96	45926	USS/Kobe Steel	1	TT	5247	G	wo	M061		ND	ND	52

Legend: ww=wastewater/liquid, wo=waste oil/liquid, ws=waste sludge/solid, M061=fuel blending, M094=wastewater pretreatment
ND=less than 50 ppm, NT=not tested (no free oil layer)

Daily Operations Log - For March 1996 - Non-Haz Oil Program

For Company: Research Oil Co.

Physical Form = Liquid Unless Otherwise Specified

Date	Manifest Number	Generator	Count	Type	Qty	Unit	Material Descr	Handling Code	EPA Codes	Civ (ppm)	Clt (ppm)	Rec Tank
3/26/96	00341	LTV Steel	1	TT	5000	G	ww/wo	M061		ND	ND	129
3/26/96	45929	Ardcor	1	TT	1200	G	ww	M094		ND	ND	103
3/26/96	45930	Presrite	1	TT	3500	G	ww/wo	M061		ND	ND	129
3/26/96	45926	Akro Corp	1	TT	4000	G	ww	M094		ND	ND	98
3/26/96	01249	Exxon	1	TT	5616	G	ww/wo	M061		ND	ND	129
3/26/96	43825	LTV 126/127	1	TT	5195	G	ww/wo	M061		ND	ND	129
3/26/96	45841	Eaton Corp	1	TT	4209	G	ww	M094		ND	ND	105
3/27/96	45963	Teledyne Specialty	1	TT	1700	G	ww	M094		ND	ND	103
3/27/96	01252	Exxon	1	TT	5536	G	ww/wo	M061		ND	ND	129
3/27/96	01253	Exxon	1	TT	5514	G	ww/wo	M061		ND	ND	129
3/27/96	45964	Worthington Precision Metals	1	TT	5500	G	ww	M094		ND	ND	103
3/27/96	45961	Penn Jacobson	1	TT	1825	G	ww/wo	M061		ND	568	103/129
3/27/96	43831	LTV 126/127	1	TT	5169	G	ww/wo	M061		ND	ND	129
3/27/96	44569	Interstate Diesel	1	TT	1550	G	ww	M094		ND	ND	103
3/27/96	45989	Matlack	1	TT	5000	G	ww	M094		ND	ND	98
3/27/96	07206	PPG Gurnee	1	TT	5071	G	ww/wo	M061		ND	ND	302
3/27/96	50718	Exxon	1	TT	5056	G	ww/wo	M061		ND	ND	302
3/27/96	45953	B & C Ind	1	TT	5100	G	ww	M094		ND	ND	98
3/27/96	45960	Caparo Steel	1	TT	3000	G	ww/wo	M061		ND	568	103/129
3/27/96	45786	Northwest Airlines	1	TT	1200	G	ww	M094		NT	NT	98
3/27/96	45954	BFI of Ohio	1	TT	1300	G	ww	M094		NT	NT	98
3/27/96	45958	Wheeling Pitt Steel	1	TT	5196	G	ww/wo	M061		ND	ND	129
3/27/96	45950	PHB Parker	1	TT	5000	G	ww	M094		NT	NT	103
3/27/96	02060	Snap Tite	1	TT	4900	G	ww	M094		ND	321	103
3/27/96	00342	LTV Steel	1	TT	5000	G	ww/wo	M061		ND	ND	129
3/27/96	45946	Lincoln Electric	1	TT	1815	G	ww	M094		ND	ND	103
3/27/96	11073	American Ultra Specialties	1	TT	6500	G	ww/wo	M061		ND	168	103/129
3/27/96	45952	Commercial Intertech	1	TT	3000	G	ww/wo	M061		ND	168	103/129
3/27/96	45951	Smith & Harris Machine	1	TT	3418	G	ww	M094		ND	ND	98
3/27/96	960AQ	Copperweld Shelby	1	TT	5233	G	ww	M094		ND	ND	98
3/27/96	45943	Empire Die	1	TT	1000	G	ww/wo	M061		ND	ND	129
3/27/96	44885	Morse Ind	1	TT	5000	G	ww/wo	M061		ND	10442	129
3/27/96	45949	Franklin Oil	1	TT	5000	G	ww/wo	M061		ND	3857	105
3/27/96	45948	Air Power Ohio	1	TT	1200	G	ww/wo	M061		ND	ND	103/129
3/27/96	01250	Exxon	1	TT	5595	G	ww/wo	M061		ND	ND	129
3/27/96	01251	Exxon	1	TT	5611	G	ww/wo	M061		ND	ND	129
3/27/96	45962	Akzo Salt	1	TT	5500	G	ww	M094		NT	NT	11
3/27/96	45939	Ridge Tool	1	TT	5000	G	ww	M094		ND	ND	103
3/27/96	43829	LTV 126/127	1	TT	5549	G	ww/wo	M061		ND	ND	129

Legend: ww=wastewater/liquid, wo=waste oil/liquid, ws=waste sludge/solid, M061=fuel blending, M094=wastewater pretreatment
 ND=less than 50 ppm, NT=not tested (no free oil layer)

U.S. Environmental Protection Agency
Enforcement and Compliance Assurance Branch (DRE-8J)
77 West Jackson Blvd.
Chicago, Illinois 60604

RECEIVED
May 29, 1997
JUN 03 1997

Attention: Mr. Robert Dean Smith

DIVISION FRONT OFFICE
Waste, Pesticides & Toxics Division
U.S. EPA - REGION 5

Dear Mr. Smith:

Subject: LTV STEEL COMPANY, INC. - CLEVELAND WORKS
INFORMATION REQUEST - APRIL 17, 1997
SECTION 3007 RCRA AND SECTION 104(e) CERCLA
U.S. EPA ID NO. OHD 004218673 AND OHD 046203774

This letter is in response to the information request of April 17, 1997, requesting certain information regarding LTV Steel's burning of used oil. Per conversation on May 1, 1997, between Dale Papajcik of LTV Steel and John H. Tielsch of U.S. EPA, the information requested is focused on the burning of used oil issues only. Additionally, Mr. Tielsch agreed to extend submittal of this information to the week of May 26, 1997.

U.S. EPA Request #1 -

Persons consulted in the preparation of the information were:

1. Dorothy M. Ellington, Research Oil Company
2. John W. Etchison, Manager Solid Waste, LTV
3. Robert A. Voytko, Engineer, Env. Control, LTV
4. Stanley Rihtar, Compliance Engineer, LTV
5. Peter Wosotowsky, Area Manager, Iron Producing, LTV
6. David Rupar, Area Manager, Utilities & Energy, LTV

U.S. EPA Request #2 -

Documents utilized in preparation of the information are included in Attachment A and Attachment D.

U.S. EPA Request #3 -

Additional persons who may provide more detailed response are referred to in Attachment A.

1. Alan Gressel, Research Oil Company
2. Bob Lehman, Research Oil Company

U.S. EPA Request #4 -

The EPA ID numbers for LTV Steel Cleveland Works are:

OHD 004218673
OHD 046203774

U.S. EPA Request #5 -

Persons involved with handling the used oil are as follows:

1. Transportation and Unloading - Research Oil Company Driver (1)
2. Tracking of Shipments - LTV Steel Iron Producing Clerk (1)
3. Maintenance of Equipment -
 - a. LTV Utilities & Energy Process Automation Engineer (1)
 - b. LTV Utilities & Energy Test Engineers

- c. LTV Utilities & Energy Repair Technicians
- d. LTV Utilities & Energy Electronic and Instrument Repairman
- e. LTV Iron Producing Maintenance Supervisors (4)
- f. LTV Iron Producing Area Supervisors (2)
- g. LTV Iron Producing General Supervisor - Maintenance (1)
- h. LTV Iron Producing Blower Foreman (8)
- i. LTV Iron Producing Turn Foreman (4)
- j. LTV Iron Producing Shift Manager (4)

U.S. EPA Request #6 -

Copies of all pertinent RCRA permit documents are included in Attachment B.

U.S. EPA Request #7 -

Copies of permit applications are included in Attachment B. Notifications of hazardous waste activities are included in Attachment C.

U.S. EPA Request #8 -

To rebut the presumption that used oil burned in LTV Steel's C5 and C6 blast furnaces with a total halogen concentration in excess of 1,000 ppm is a hazardous waste derived fuel, LTV Steel relies on a procedure adopted and followed by Research Oil Company (ROC), the only used oil fuel supplier to LTV Steel. The written ROC procedure is included as Attachment A. Data collected by ROC pursuant to the procedure and which relates to the data sheets provided by LTV Steel to the U.S. EPA and referred to in the information request, is included as Attachment D. Such data indicates that the oil material received by ROC, which is used in the production of the fuel shipped to LTV Steel, was not a hazardous waste containing material. Therefore, since ROC utilized no used oil containing a hazardous waste, their system, which produces the used oil shipped to LTV Steel, cannot and did not produce a hazardous waste derived fuel. Consequently, it is clear that the data generated by application of the ROC incoming oil analytic procedure successfully rebuts the presumption that the oil LTV Steel burns in C5 and C6 blast furnaces is a hazardous waste.

U.S. EPA Request #9 -

LTV Steel blast furnaces (Iron Producing Department) receives used oil processed for fuel from Research Oil Company (ROC) for use as a supplement to No. 6 oil for injection as fuel to blast furnaces C5 and C6, only. These blast furnaces are located at the facility with U.S. EPA ID No. 004218673. The oil is pumped directly from the ROC delivery tanker to the oil day tank, where it becomes mixed with the No. 6 fuel oil. The oil is pumped through a distribution system which heats and recirculates oil not injected back to the day tank. Flow controls at each blast furnace meter the oil for injection by injection pipes directly into the blast furnace tuyeres. Approximately four ROC tanker truck loads of used oil are received each weekday by LTV Steel.

Mr. Smith
May 29, 1997
Page 3

Please contact me if you have any questions regarding any of the foregoing information.

Very truly yours,

LTV STEEL COMPANY, INC.



R. L. Nemeth
Manager
Environmental Control

Attachments

CERTIFIED - RETURN RECEIPT

ATTACHMENT A



Research Oil Company

2777 Broadway Avenue

Cleveland, Ohio 44115

Tel. — 216-623-8383

Fax — 216-623-8393

May 23, 1997

LTV STEEL COMPANY

3100 E. 45th Street

Cleveland, Ohio 44127-0000

Attention: Mr. Stan Rihtar
Environmental Control Department

Dear Stan:

Enclosed with this letter are four items that detail the program and procedures used at Research Oil Company to manage the production of fuel oil from used oil in conformance with the requirements to rebut the presumption of mixing hazardous waste with used oil that arrives at our facility with a halogen content of 1,000 ppm or more. They are:

1. Explanation of Research Oil's used oil management procedures;
2. Memorandum on the microcoulometer from Bob Lohman to me;
3. Research Oil Company Laboratory procedures for the microcoulometer; and,
4. A copy of microcoulometer procedures from the Dohrmann Operating Manual.

I believe these will satisfy your requirements. If you need further information, please call me on Wednesday, May 28 or if you need help on Tuesday, May 27, call Alan Gressel.

Sincerely,

Dorothy M. Ellington,
Environmental Compliance Manager

cc: Alan Gressel - ROC
Bob Lohman - ROC

OFF-SPEC FUEL OIL AND THE REBUTTABLE PRESUMPTION

Research Oil Company ships both on-spec and off-spec fuel oil to LTV. On-spec fuel oil exits the regulatory system before it is received at LTV. On-spec fuel oil can contain as much as 4,000 ppm of total halogens so long as the processor/marketer can successfully rebut the presumption that the fuel oil product is a hazardous waste because it contains in excess of 1,000 ppm total halogens. At Research Oil, the rebuttal of the presumption that oils containing in excess of 1,000 ppm of total halogens are hazardous results from a testing and management system that begins before the used oil is even shipped to the Research Oil plant.

At Research Oil, off-spec fuel is managed under the same system as on-spec fuel. The use of off-spec fuel in an industrial boiler or furnace impose certain recordkeeping requirements by the burner. These recordkeeping requirements for burning off-spec fuel containing more than 1,000 ppm total halogens are of considerable importance to LTV in order to insure that the plant operates in strict compliance with the requirements of Section 279 covering the management and burning of off-spec fuel oil. Below, we have outlined the management system employed by Research Oil to assure its customers, including LTV, that no hazardous waste fuel is ever shipped to their facilities.

The first step in our management of used oil is the requirement that all generators demonstrate that the oily liquid they intend to ship to us meets the definition of used oil. This information is communicated through completion of a generator profile and the submission of an adequate sample for analysis. Among the information required by the generator profile is the usage and management of the oil at its facility. This information helps us determine the pathways through which halogens may enter the used oil. The profile helps us answer such questions as, does the facility use chlorinated solvents? Are chlorinated waxes added to the virgin oil to improve its extreme pressure characteristics? Is the oil used in an emulsion? Are lubricating oils mixed with metalworking fluids before shipment? Does the generator collect used oil at the point of use or is the used oil recovered from a centralized wastewater treatment system?

The answers to these questions help us to understand the origin of halogens that may be found in the oil during analyses. We consider salt water and brine, chlorinated solvents introduced during or after use, and the various chlorinated wax additives used in metalworking lubricants. Our laboratory analyzes the samples submitted based on our understanding of the use of the oily waste stream at the point of generation.

During this analysis, we perform three or four specific tests to better understand the amount, type, and derivation of halogens detected in the used oil. We make use of the microcoulometer to determine total organic halogens, the gas chromatograph to identify individual solvent types and volumes, the GC to determine the presence of PCB's, and the FALEX EP tester to confirm the presence of chlorinated waxes introduced for the purpose of improved metalworking.

Based on the customer profile, conversations with the generator, and the analytic results from our laboratory, Research Oil, mindful of the rebuttable presumption, classifies the generator's waste stream into three categories: 1) oil that meets the requirements for processing into fuel oil upon arrival (under 1,000 ppm TOX); 2) oils that need to be checked to insure that the hazardous presumption can be rebutted from analytic results (over 1,000 ppm TOX); 3) oils that fail and must be used in our hazardous waste derived fuel program or rejected. Results of this work is used to determine the tests to be applied to the first shipment and to further shipments of waste from the generator, as well as the price to be paid or charged for the acceptance of the waste. If the generator is satisfied with our price which is based on our categorization of his waste stream, we will accept the material at our plant. Each incoming load is subjected to at least two analyses related to the volume and type of halogenated material in the waste stream. The minimum profile requirements on any inbound waste stream with organic content are a microcoulometer test to determine total halogens and a GC to determine PCB content. If the microcoulometer shows less than 1,000 ppm of total halogens and the PCB test less than 2 ppm, the oil may, subject to further analysis, be managed as on-spec oil.

If the microcoulometer indicated more than 1,000 ppm of total halogens, the volatile halogen content that is measured in the same microcoulometer test, is considered. If the original sample and prior shipment profiles differ from the analysis of this particular shipment, the GC is employed to determine the presence of solvents whose nature and volume would disqualify the material from being used in the production of on-spec or off-spec fuel oil. The GC analysis is used to determine if the particular shipment can be included in the raw material for the production of off-spec used oil or if the generator should be notified that the particular shipment is a hazardous waste by Research Oil analysis so that they can determine if they will pay us to manage the waste stream as a hazardous waste or if they want us to return the shipment.

If the microcoulometer test is consistent with the generator profile and the fingerprint of the first shipment, the shipment is pumped to the feed tanks for the fuel oil production system.

The standard parameter used at Research Oil to rebut the presumption that an oil with more than 1,000 ppm of halogens is hazardous is the presence of less than 100 ppm of any one solvent that appear on EPA's list of F001 and F003 halogenated solvents. Oils that exceed this levels are classified as hazardous waste.

I am confident that Research Oil's procedures meet every requirement that can be inferred from both Section 266, now in force in Ohio, and Section 279, soon to be adopted in Ohio, and will continue to protect our customers, our generators, and ourselves from any violation of EPA regulations.

MEMORANDUM

TO: Dorothy Ellington, Compliance Manager

FROM: Robert Lohman, Chief Chemist

DATE: May 22, 1997

SUBJECT: Rebuttable Presumption Testing

You inquired about the evolution of the analytic procedures we use at Research Oil to rebut the presumption that used oils received at the facility with more than 1,000 ppm of total halogens are hazardous waste. When the rebuttable presumption was first instituted, we used the microcoulometer to gain rapid, accurate, and efficient knowledge of the total organic chlorides in incoming samples. From the beginning, we tested each incoming load.

We were visited by Ms. Shirlee Brauer of Region 5 USEPA who was checking compliance with the new regulation. She asked how often we sampled incoming used oil for halogens. When we told her that we checked every load, she was shocked because she never contemplated our using anything but the Parr bomb to do these tests. When we showed her a microcoulometer procedure in SW 846, USEPA's lab manual, she was satisfied.

As we used the microcoulometer, I developed a procedure to determine volatile (solvent) chlorine with the microcoulometer by first positioning the sample only part way into the furnace to burn off and record only the chlorine in volatile solvents. Since then we have reported halogens as VC for volatile chlorides and TC for total organic halogens.

A few years later, OEPA questioned our use of the microcoulometer to rebut the presumption. I then ran 50 samples on both the microcoulometer and on the GC. The correlation between a low volatile chlorine number (300 ppm or less) on the microcoulometer was compared to GC scans for solvents listed in F001 and F003 by USEPA. These 50 samples showed perfect correlation between microcoulometer readings under 300 ppm and GC scans of less than 100 ppm for any F001-F003 solvent.

We own and operate two Dohrmann microcoulometers. When I was visited by a Dohrmann technical representative, I demonstrated my method of determining both volatile chlorine and total organic halogens on the same sample in one procedure. Dohrmann was so impressed with this solution that they now sell all their machines with a mark to indicate the position of the sample boat to determine volatile chlorine and have included the procedure in their operating manual supplied to purchasers of microcoulometers.

Because of our experience and these endorsements of our procedure, we only use the GC in the rebuttable presumption procedures when it is important to determine which of the solvents listed under F001 and F003 is present in the used oil. This question usually arises when the specific solvent would be important to determining its source.

If I can be of further assistance, please let me know.

RL:cm

DX-20B

RUNNING SAMPLES

1. For samples, switch time to 10 minutes.
2. Position the boat under the injection port using the TX MODE.
3. Prepare samples the same as for the other machine using iso-octane to extract the organic chlorine. (Samples can be diluted in water or injected directly but in these cases the results would be TX (total halides, organic and inorganic). We are interested in TOX (total organic halides) because these are potentially hazardous.
4. Inject 4 ul of sample, depress start, the boat will automatically move to the volatile position and remain there for 1 minute 30 seconds. If this is not long enough for the volatile to come off, switch the mode to EOX and the boat remains at this position. By switching back to TX the boat moves into the furnace for non-volatile chlorine. With the time setting at 10 minutes the counting will automatically stop. If this is still not enough time the sample will need a higher dilution factor. Watch baseline come back to original baseline (or close) to tell if all volatile has come off. Samples can also be run on ug (1000 ng/ug).

CALCULATIONS

$$VOX(ppm) = \frac{[integrated\ VOX\ reading(ng) - blank(ng)] (dilution\ factor)}{[volume(ul)] \left[density \left(\frac{mg}{ul} \right) \right] (recovery\ factor)}$$

$$\% VOX = \frac{ppm}{10,000}$$

$$TOX(ppm) = \frac{[integrated\ TOX\ reading(ng) - blank(ng)] (dilution\ factor)}{[volume(ul)] \left[density \left(\frac{mg}{ul} \right) \right] (recovery\ factor)}$$

$$\% TOX = \frac{ppm}{10,000}$$

VOX = Volatile Organic Halogen

TOX = Total Organic Halogen

volume = volume injected

density = original sample weight (same as g/ml)

recovery factor = std reading (ng)/standard (ng)

1000 ng = 1 ug

DOHRMANN

100 SCOTT BLVD., P.O. BOX 58007 SANTA CLARA, CA 95052-8007
TEL: (408) 727-6800 TELEX: 346395 FACSIMILE: (408) 727-1601

(513) 217-7000

Acc# 170689

MC-3 ANALYZER MODULE SYSTEMS MANUAL

PROPRIETARY INFORMATION NOTICE

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH SHOULD NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR MANUFACTURING OR ANY PURPOSE OTHER THAN OPERATION, MAINTENANCE, OR SALE OF DOHRMANN EQUIPMENT WITHOUT PRIOR WRITTEN PERMISSION OF DOHRMANN DIVISION.

ALL OR PART OF THE INFORMATION ON THIS DOCUMENT MAY BE COVERED BY U.S. AND FOREIGN PATENTS.

Part No. 915-231

Edition 3: November 1988

APPENDIX D

DETERMINATION OF TRACE CHLORINE IN WASTE OIL AND SOLVENTS

I. INTRODUCTION

Recent EPA regulations determine the permitted use of recycled waste oil and solvents depending on the level of total halogen (TX) in the material. For example, any used oil to be sold for burning in non-industrial boilers must be tested for TX. A simple and accurate test for TX in oil is of great value to all producers, transporters, brokers, and users in the waste oil industry.

DOHRMANN's DX-20B is specifically designed for measurement of TX in waste oil and similar substances. It is sensitive well below the 1 ppm to avoid false positives and negatives at critical action levels.

II. SCOPE

The following methods are used for the determination of total halide (TX) concentration in organic samples in the range of 25 to 25,000 ngs. They are applicable to solids and other samples which cannot be drawn with an ordinary syringe.

SUMMARY OF METHOD

Without pretreatment, the analyst injects a sample onto a boat residing in an inert CO_2 (N_2 , He or Ar) environment. After pressing "START," following baseline memorization, the boat is advanced to the 250° zone where entrained water and other volatiles are vaporized and, eliminated or measured, as desired. The boat is advanced again into the 1000° combustion zone where, in a 75% CO_2 and 25% O_2 environment, the sample is oxidized. The gaseous products of oxidation (including CO_2 , H_2O , HX) are swept

into the detection cell where any halide or oxyhalide formed is coulometrically titrated with silver ion. That is, the total current required to replace the consumed silver ion and maintain a constant silver ion concentration in the cell is a direct measure of the chlorine present in the injected sample.

V. APPARATUS

A. One of the following DOHRMANN systems:

1. DX-20B Total Halide Analyzer (p/n 832-282). This system includes all necessary instrumental hardware and glassware.
2. DX-20A Total Organic Halide Analyzer (p/n 832-280) retrofitted with an EOX/TX solenoid valve assembly (p/n 899-479).



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

APR 2 1997

DRE-8J

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. John H. Stewart, Jr.
Registered Agent for
LTV Steel Company.
600 West Church Street
East Canton, Ohio 44730

Re: Information Request

EPA ID. No.: OHD 004 218 673 *East*
OHD 046 203 774 *West*

Dear Mr. Stewart:

This is a request for information by the United States Environmental Protection Agency (U.S. EPA) pursuant to its authority under Section 3007 of the Resource Conservation and Recovery Act (RCRA), as amended, 42 U.S.C. §6927 and Section 104(e) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 42 U.S.C. §9604(e), as amended by the Superfund Amendments and Reauthorization Act of 1986, Pub. Law No. 99-499, 100 Stat. 1613 (1986) (SARA). The information requested relates to the handling of solid waste, hazardous waste, and hazardous substances at LTV Steel Company, Cleveland, Ohio, and all contiguous property owned by or under the control of LTV Steel Company., hereinafter referred to as the Facility. This Information Request is not subject to the approval requirements of the Paperwork Reduction Act of 1980, 44 U.S.C. Section 3501, et seq.

The information requested herein must be provided to this office within fifteen (15) days of receipt of this letter notwithstanding its possible characterization as confidential information. Due to the seriousness of the threat posed by the Facility and the legal ramifications of your failure to respond promptly and properly, U.S. EPA strongly encourages you to give

this matter your immediate attention and to respond fully to these Information Requests within the time specified above.

You may, pursuant to 40 CFR 2.203(a), assert a business confidentiality claim covering all or part of the information in the manner described in 40 CFR 2.203(b). Information covered by such a claim will be disclosed by U.S. EPA only to the extent and by means of the procedures set forth in 40 CFR Part 2, Subpart B. Any request for confidentiality must be made when the information is submitted, since any information not so identified may be made available to the public without further notice.

The written statements submitted pursuant to this request must be notarized and submitted under an authorized signature certifying that all statements contained therein are true and accurate to the best of the signatory's knowledge and belief. Any documents submitted to U.S. EPA Region V pursuant to this information request should be certified as true and authentic to the best of the signatory's knowledge or belief.

Should the signatory find, at any time after the submittal of the requested information, that any portion of the submitted information is false, misleading or incomplete, the signatory should so notify Region V. If any answer certified as true should be found to be untrue or misleading, the signatory can and may be prosecuted pursuant to 18 U.S.C. §1001. U.S. EPA has the authority to use the information requested herein in an administrative, civil, or criminal action.

If you have any questions regarding this matter, please contact Mr. Robert Dean Smith, Enforcement and Compliance Assurance Branch, at (312) 886-7568, or Mr. John Tielsch, Assistant Regional Counsel, at (312) 353-7447. Your response should be sent to the U.S. EPA, Region V, Enforcement and Compliance Assurance Branch (DRE-8J), 77 West Jackson Blvd., Chicago, Illinois 60604, Attention: Robert Dean Smith.

Sincerely yours,

George Hamper, Chief
MN/OH Section
Enforcement and Compliance Assurance Branch

Enclosure

cc: John Tielsch, ORC
Timothy Chapman, ORC
Robert Smith, ECAB
Section File
Branch File

ENFORCEMENT AND COMPLIANCE ASSURANCE BRANCH

SECRETARY	SECRETARY	SECRETARY	SECRETARY	SECRETARY	SECRETARY
AUTHOR/ TYPIST	MINN/OHIO SECTION CHIEF	MICHIGAN/ WISCONSIN SECTION CHIEF	ILLINOIS/ INDIANA SECTION CHIEF	ECAB BRANCH CHIEF	WPTD DIVISION DIRECTOR
RDS 4/2/97	<i>[Signature]</i> 4-2-97				

1497

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

LTV STEEL COMPANY WEST) Information Request
3341 JENNINGS ROAD) Pursuant to
CLEVELAND, OHIO 44127) Section 3007 of RCRA
) as amended, 42 U.S.C. §6927
U.S. EPA ID No.: OHD 046 203 774) and Section 104(e) of
) CERCLA 42 U.S.C. §9604(e)
LTV STEEL COMPANY EAST)
3341 JENNINGS ROAD
CLEVELAND, OHIO 44127

U.S. EPA ID No.: OHD 004 218 673

This is a request by the United States Environmental Protection Agency (U.S. EPA) issued pursuant to its authority under Section 3007 of the Resource Conservation and Recovery Act, as amended, 42 U.S.C. §6927 and Section 104(e) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 42 U.S.C. §9604(e), as amended by the Superfund Amendments and Reauthorization Act of 1986, Pub. Law No. 99-499, 100 Stat. 1613 (1986) (SARA). The issuance of this request serves to require LTV Steel Company., (Respondent) to submit information relating to the generation, treatment, transportation, storage, disposal, and releases of solid wastes, hazardous wastes, hazardous constituents, hazardous substances, pollutants, and contaminants at 3341 Jennings Road, Cleveland, Ohio and 25 Prospect Street, Cleveland, Ohio, is for the purpose of enforcing the provisions of RCRA and CERCLA. This Information Request is not subject to the approval requirements of the Paperwork Reduction Act of 1980, 44 U.S.C. Section 3501, et seq. U.S. EPA has the authority to use the information requested herein in an administrative, civil, or criminal action.

INSTRUCTIONS

1. A separate response must be made to each of the questions or requests set forth in this Information Request.
2. Precede each answer with the number of the Information Request to which it corresponds.

3. In answering each Information Request, identify all contributing sources of information.
4. If information not known or not available to the Respondent as of the date of submission of its response should later become known or available, Respondent must supplement its response to U.S. EPA. Moreover, should the Respondent find, at any time after the submission of its response that any portion of the submitted information is false or misrepresents the truth, respondent must notify U.S. EPA as soon as possible.
5. For each document produced in response to this request for Information, indicate on the document, or in some other reasonable manner, the number of the question to which it responds.
6. You must respond to the Information Request on the basis of all information and documents in your possession, custody or control or in the possession, custody or control of your former or current employees, agents, servants, contractors or attorneys. Furnish such information as is available to you, regardless of whether or not it is based on personal knowledge, and regardless of source.
7. Your response should be accompanied by a notarized affidavit from a responsible company official or representative stating that a diligent record search has been completed and that there has been a diligent interviewing process with all present and former employees who may have knowledge of the Respondent's operations, storage, treatment, releases, spills, disposal or handling of solid wastes, hazardous wastes, hazardous constituents, hazardous substances, pollutants, or contaminants. To the extent that any information you provide relating to these Requests is based on your personal knowledge, or the personal knowledge of your employees, agents, or their representatives, this information shall be in the form of a notarized affidavit.
8. If any documents requested herein have been transferred voluntarily or involuntarily to others or have been otherwise disposed of, identify each such document, identify the person to whom it was transferred, describe the circumstances surrounding such transfer or other disposition, and state the date or approximate date of such transfer or other disposition.

9. The information requested herein must be provided notwithstanding its possible characterization as confidential information or trade secrets. You may, if you desire, assert a business confidentiality claim covering part or all of the information requested, in the manner described by 40 C.F.R. 2.203(b). Information covered by such a claim will be disclosed by U.S. EPA only to the extent, and only by means of the procedures set forth in 40 C.F.R. Part 2, Subpart B. [See 41 Federal Register 36902 et seq. (September 1, 1976); 43 Federal Register 4000 et seq. (December 18, 1985)]. If no such claim accompanies the information when it is received by U.S. EPA it may be made available to the public by U.S. EPA without further notice to you. You should read carefully the above-cited regulations, together with the standards set forth in Section 104(e)(7) of CERCLA, before asserting a business confidentiality claim, since certain categories of information are not properly the subject of such a claim, as stated in Section 104(e)(7)(ii) of CERCLA.

10. The information requested herein must be provided, within fifteen (15) days following receipt of this request, to the United States Environmental Protection Agency, Region V, Enforcement and Compliance Assurance Branch (DRE-8J), 77 West Jackson Blvd., Chicago, Illinois 60604, Attention: Robert Dean Smith.

DEFINITIONS

For the purpose of the Instructions and Requests for Information set forth herein, the following definitions shall apply:

1. The term "you" or "Respondent" shall mean the addressee of the Request, the addressee's officers, managers, employees, contractors, trustees, predecessors, successors, assigns, subsidiaries, and agents.
2. The term "person" as used herein includes, in the plural as well as the singular, any natural person, firm, contractor, unincorporated association, partnership, corporation, trust or governmental entity, unless the context indicates otherwise.
3. "Facility" means all contiguous land and structures, other appurtenances and improvements on the land used for treating,

storing or disposing of hazardous waste. A facility may consist of several treatment, storage, or disposal operational units (e.g., one or more landfills, surface impoundments or combinations of them) (40 CFR 260.10).

4. The term "hazardous substance" shall have the same definition as that contained in Section 101(14) of CERCLA, including mixtures of hazardous substances with other substances including petroleum products.

5. The term "pollutant" or "contaminant" shall have the same definition as that contained in Section 101(33) of CERCLA.

6. The terms "furnish", "describe", "provide" or "indicate" shall mean turning over to U.S. EPA either original or duplicate copies of the requested information in the possession, custody, or control of the Respondent. Where specific information has not been memorialized in any document but is nonetheless responsive to an information request, you must respond to the request with a written response. If such requested information is not in your possession, custody, or control then indicate where such information or documents may be obtained.

7. The term "identify" means, with respect to a natural person, to set forth his full name, present or last known business address, the name of that employer and a description of the job responsibilities of such person.

8. The term "identify" means, with respect to a corporation, partnership, business trust or other association or business entity (including a sole proprietorship) to set forth its full name, address, legal form (e.g. corporation, partnership, etc.) organization, if any, and a brief description of its business.

9. The term "identify" means, with respect to a document, to provide its customary business description, its date, its number if any (invoice or purchase order number), the identity of the author, addressor, addressee and/or recipient, and the substance of the subject matter.

10. "Release" means any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, abandonment or discarding of barrels, containers, and other

closed receptacles containing any hazardous substances or pollutants or contaminants.

11. As used here, "document" and "documents" shall include writings of any kind, formal or informal, whether or not wholly or partially in handwriting (including by the way of illustration and not by way of limitation), any invoice, receipt, endorsement, check, bank draft, canceled check, deposit slip, withdrawal slip, order, correspondence, record book, minutes, memorandum of telephone and other conversations including meetings, agreements, and the like, diary, calendar, desk pad, scrap book, notebook, bulletin, circular, form, pamphlet, statement, journal, postcard, letter, telegram, telex, report, notice, message, analysis, comparison, graph, chart, interoffice or intraoffice communications, photostat or other copy of any documents, microfilm or other film record, any photograph, sound recording on any type of device, any punch card, disc, or disc pack; and any tape or other type of memory generally associated with computers and data processing (together with the programming instructions and other written material necessary to use such punch card, disc or disc pack, tape or other type of memory and together with printouts of such punch card, disc or disc pack, video tape or other type of memory); including (a) every copy of each document which is not an exact duplicate of a document which is produced, (b) every copy which has any writing, figure or notation, annotation or the like of it, drafts, (d) attachments to or enclosures with any documents and (e) every document referred to in any other document.

12. "And" as well as "or" shall be construed either disjunctively or conjunctively as necessary to bring within the scope of these Information Requests any information which might otherwise be construed to be outside their scope.

13. "Hazardous waste" means a hazardous waste as defined in 40 CFR 261.3.

14. "Solid waste" means a solid waste as defined in 40 CFR 261.2.

15. "Hazardous Constituent" means a hazardous constituent identified in 40 CFR 261, Appendix VIII.

16. "Manifest" means the shipping document originated and signed by the generator which contains the information required by 40 CFR 262.20.

17. "Industrial Furnace" means any of the following enclosed devices that are integral components of manufacturing processes and that use thermal treatment to accomplish recovery of materials or energy:

- (1) Cement Kilns
- (2) Lime kilns
- (3) Aggregate kilns
- (4) Phosphate kilns
- (5) Coke ovens
- (6) Blast furnaces
- (7) Smelting, melting and refining furnaces (including pyrometallurgical devices such as cupolas, reverberator furnaces, sintering machines, roasters, and foundry furnaces)
- (8) Titanium dioxide chloride process oxidation reactors
- (9) Methane reforming furnaces
- (10) Pulping liquor recovery furnaces
- (11) Combination devices used in the recovery of sulfur values from spent sulfuric acid
- (12) Halogenated acid furnaces (HAFs) for the production of acid from halogenated hazardous waste generated by chemical production facilities where the furnace is located on the site of a chemical production facility, the acid product has a halogen acid content of at least 3%, the acid product is used in a manufacturing process, and, except for hazardous waste burned as fuel, hazardous waste fed to the furnace has a minimum halogen content of 20% as-generated.
- (13) Such other devices as the Administrator may, after notice and comment, add to this list. (40 CFR 260.10)

18. "Used oil" means any oil that has been refined from crude oil, or any synthetic oil, that has been used and as a result of such use is contaminated by physical or chemical impurities. (40 CFR 260.10)

19. "Used oil fuel" means used oil that is burned for energy recovery in a boiler or industrial furnace that is not regulated under Subpart O of part 254 or 265 of 40 CFR, except as provided by 40 CFR 266.40 (c) and (e). Used oil includes any fuel produced from used oil by processing, blending, or other treatment. (40 CFR 266.40(a)).

20. "Burn" means burning for energy recovery or destruction, or processing for materials recovery or as an ingredient. (40 CFR 266.100(a))

REQUESTS

1. Identify all persons consulted in the preparation of the answers to these Information Requests.
2. Identify all documents consulted, examined, or referred to in the preparation of the answers to these Requests and provide copies of all such documents.
3. If you have reason to believe that there may be persons able to provide a more detailed or complete response to any Information Request or who may be able to provide additional responsive documents, identify such persons.
4. List the EPA Identification Numbers of the Respondent.
5. Identify all persons having knowledge or information about the generation, transportation, treatment, disposal or other handling of solid wastes, hazardous wastes, hazardous substances by you, your contractors, or by prior owners and/or operators.
6. Provide copies of all local, State and Federal environmental permits ever granted for the Facility or any part thereof (e.g., RCRA permits, NPDES permits, etc.). If any permits were applied for but not granted, provide copies of the applications for these permits.
7. Provide copies of all notifications of hazardous waste activities and all Part A Permit applications submitted pursuant to RCRA.

8. Furnish any and all documents and information which you claim tend to rebut the presumption contained in 40 CFR 279.63 and Ohio Administrative Code Rule 3745-58-50(c) that the used oil burned in your blast furnaces with a total halogen content greater than 1,000 parts per million (ppm), as indicated in the documents previously provided by you and attached hereto as "Attachment", is a hazardous waste.

9. Furnish all information concerning your handling, treatment, storage and/or disposal of the used oil burned in your blast furnaces.

10. Provide the following notarized certification by a responsible corporate officer:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in responding to this information request for production of documents. Based on my review of all relevant documents and inquiry of those individuals immediately responsible for providing all relevant information and documents, I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Issued this _____ day of _____,
1997.

George Hamper, Chief
MN/OH Section
Enforcement and Compliance Assurance Branch

Research Oil Company

2777 Broadway Avenue, Cleveland, OH 44115

Tel: 216 623-8383

FAX: 216 623-8393

RECEIVED

APR 15 1996

OFFICE OF RCRA
WASTE MANAGEMENT DIVISION
EPA REGION V

Date: 03 / 27 / 1996

Shipper # C4503

Moisture & Chlorine Analysis

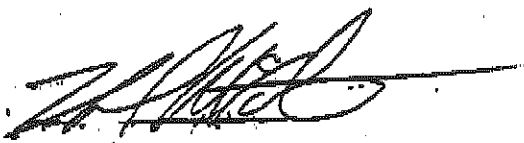
Moisture: .43 (ASTM D95-83)

Chlorine (ASTM SW846-9020 [modified]):

Volatile Chlorine : ND

Total Chlorine : .01021

Analysis Certified by



Transport Road Laboratory

Time Faxed: 1430 am / pm

Quality Information on a Timely Basis

Research Oil Company

2777 Broadway Avenue, Cleveland, OH 44115

Tel: 216 623-8383

FAX: 216 623-8393

Date: 03/27/1996Shipper # C4504

Moisture & Chlorine Analysis

Moisture: 0.57 (ASTM D95-83)

Chlorine (ASTM SW846-9020 [modified]):

Volatile Chlorine : NDTotal Chlorine : 0.576Analysis Certified by 

Transport Road Laboratory

Time Faxed: _____ am / pm

Quality Information on a Timely Basis

Research Oil Company

2777 Broadway Avenue, Cleveland, OH 44115

Tel: 216 623-8383

FAX: 216 623-8393

Date: 3/24/1996Shipper # C4513

Moisture & Chlorine Analysis

Moisture: 0.5 (ASTM D95-83)

Chlorine (ASTM SW846-9020 [modified]):

Volatile Chlorine : NDTotal Chlorine : 1.09Analysis Certified by U.B. Rapp

Transport Road Laboratory

Time Faxed: 8:15 (am) pm

Quality Information on a Timely Basis

Research Oil Company

2777 Broadway Avenue, Cleveland, OH 44115

Tel: 216 623-8383

FAX: 216 623-8393

Date: 8 Apr /1996Shipper # CPS11

Moisture & Chlorine Analysis

Moisture: 0.43 (ASTM D95-83)

Chlorine (ASTM SW846-9020 [modified]):

Volatile Chlorine : NDTotal Chlorine : .09Analysis Certified by : W.B. Papp

Transport Road Laboratory

Time Faxed: 10:20 (am) / pm

Quality Information on a Timely Basis

Research Oil Company
2777 Broadway Avenue, Cleveland, OH 44115
Tel: 216 623-8383
FAX: 216 623-8393

Date: 03 / 23 / 1996

Shipper # C4516

Moisture & Chlorine Analysis

Moisture: 0.51 (ASTM D95-83)

Chlorine (ASTM SW846-9020 [modified]):

Volatile Chlorine : ND

Total Chlorine : 0.1568

Analysis Certified by . 

Transport Road Laboratory

Time Faxed: _____ am / pm

Quality Information on a Timely Basis

Research Oil Company

2777 Broadway Avenue, Cleveland, OH 44115

Tel: 216 623-8383

FAX: 216 623-8393

Date: 03/27/1996Shipper # C4578

Moisture & Chlorine Analysis

Moisture: .42 (ASTM D95-83)

Chlorine (ASTM SW846-9020 [modified]):

Volatile Chlorine : NDTotal Chlorine : 0.6787Analysis Certified by 

Transport Road Laboratory

Time Faxed: 10:00 (am) / pm

Quality Information on a Timely Basis

Research Oil Company

2777 Broadway Avenue, Cleveland, OH 44115

Tel: 216 623-8383

FAX: 216 623-8393

Date: 03/25/1996

Shipper # C 4509

Moisture & Chlorine Analysis

Moisture: 86 (ASTM D93-83)

Chlorine (ASTM SW846-9020 [modified]):

Volatile Chlorine : ND

Total Chlorine : 0.92

Analysis Certified by 

Transport Road Laboratory

Time Faxed: 09:30 am / pm

Quality Information on a Timely Basis

Research Oil Company

2777 Broadway Avenue, Cleveland, OH 44115

Tel: 216 623-8383

FAX: 216 623-8393

Date: 03/27/1996Shipper # 4505

Moisture & Chlorine Analysis

Moisture: .60 (ASTM D93-83)

Chlorine (ASTM SW846-9020 [modified]):

Volatile Chlorine : NDTotal Chlorine : .48Analysis Certified by W.B. Roper

Transport Road Laboratory

Time Faxed: 7:50 am/pm

Research Oil Company

2777 Broadway Avenue, Cleveland, OH 44115

Tel: 216 623-8383

FAX: 216 623-8393

Date: 3/25/1996Shipper # C4510

Moisture & Chlorine Analysis

Moisture: 0.86 (ASTM D95-83)

Chlorine (ASTM SW846-9020 [modified]):

Volatile Chlorine : NDTotal Chlorine : 0.09Analysis Certified by H. B. Carr

Transport Road Laboratory

Time Faxed: 5⁰⁰ am pm

Quality Information on a Timely Basis

September 12, 1994

Kevin Pierard
United States Environmental
Protection Agency, Region 5
RCRA Enforcement Branch
77 West Jackson Boulevard
Chicago, IL 60604

Re: RCRA Section 3007 Information Request
LTV Steel Company, Inc.
Cleveland Works Facility
OHD 004 218 673

Dear Mr. Pierard:

Attached is the response of LTV Steel Company, Inc. to the above-referenced information request.

The responses to the information requested have been limited to information pertinent to the excavation of the #1 sedimentation pond at LTV Steel's Cleveland Works solid waste disposal facility. The responses were limited based on a telephone conversation on August 11, 1994 between Dale Papajcik and you. The attached information includes all responsive information provided to the undersigned counsel for LTV Steel by individuals familiar with the subject matter of the request.

If, after analysis of the attached responses, U.S. EPA requires any additional explanation of the responsive materials or further information, please contact the undersigned at (216) 622-5628.

Respectfully submitted,

LTV STEEL COMPANY, INC.

By:


Dale E. Papajcik
Senior Attorney

DEP/CMF3542
attachments

RCRA Section 3007 Information Request
LTV Steel Company, Inc.
Cleveland Works Facility
Cleveland, Ohio
Dated: August 3, 1994

Introductory Note:

LTV Steel Company, Inc. received the above-referenced Information Request on August 8, 1994 via CT Corporation System, Cleveland, Ohio. On August 11, 1994, Dale E. Papajcik contacted U.S. EPA to seek clarification of the scope of information sought by the request and to identify which LTV Steel facility the request was directed. Mr. Papajcik spoke with Kevin Pierard of U.S. EPA. Mr. Pierard indicated U.S. EPA was interested in tar-like material encountered in an excavation (LTV Steel Cleveland-East, EPA ID No. OHD 004 218 673) and sent to the Kurtz Brothers landfill (4700 E. 49th Street, Cleveland, Ohio) in April, 1993. Mr. Papajcik and Mr. Pierard agreed that the scope of LTV Steel's responses would be limited accordingly. Mr. Papajcik indicated LTV Steel would attempt to respond by September 1, 1994. Due to previously scheduled vacations and other environmental agency related requirements, LTV Steel is responding on the date noted on the cover letter accompanying this response. Dale Papajcik attempted to contact Ms. Rita Cestaric by phone mail message regarding this response from September 6-8. It was not until late on September 8 that Mr. Papajcik found that Ms. Cestaric was no longer employed by U.S. EPA.

LTV Steel owns and operates, at its Cleveland Works, a permitted solid waste disposal facility. The facility has been in operation since prior to 1967 for the disposal of non-hazardous air and water pollution control dusts and sludges. The permitted facility is located amid an historic construction and demolition debris and slag fill area. (See attached Document 2). As part of the construction of a cap and storm water control system for the permitted disposal facility, LTV Steel, through its contractors, was required to excavate a number of sedimentation ponds. (See attached Document 2). During the excavation of the #1 sedimentation pond, LTV Steel encountered tar or tar-like materials in the excavated fill material. The responses provided below are limited to the activities involved in the excavation of the #1 sedimentation pond the disposition of the excavated materials and the general background of LTV Steel's production of coal tar materials.

LTV STEEL RESPONSES

1. L. A. Szuhay, LTV Steel
S. Rihtar, LTV Steel
J. C. Holton, LTV Steel
R. L. Nemeth, LTV Steel
T. M. Girdler, III, LTV Steel
Gary Samerigo, Kurtz Brothers
2. All documents consulted, examined or referred to in the preparation of the answers to this information request are attached hereto.
3. Donald Rooney - Great Lakes Construction Company
Walter Rakovich - Operations Manager, Enviroserve, J.V.
Joe Lynch - Sanitarian, Cuyahoga County Board of Health
4. LTV Steel Company, Inc. (Cleveland Works-East Facility)
3100 E. 45th Street
Cleveland, Ohio 44127
OHD 004 218 673
5. LTV Steel Cleveland Works (East and West) employs approximately 6,500 people. Hundreds of employees may have knowledge or information with respect to solid waste management at the facility. However, the LTV Steel employees who have responsibility for various solid waste management issues at the facility are identified in response 1.
6. Please refer to the introductory note and the response to question #7.
7. As noted above, LTV Steel is responding to this request for information only with respect to the tar-like material encountered during excavation of the #1 sedimentation pond. Tar-like materials encountered at the #1 sedimentation pond most likely originated at one of the coke plants operated by LTV Steel or its predecessors from around the turn of the century. All LTV Steel Cleveland cokemaking operations ceased in December, 1992.

The tar-like materials encountered in the #1 pond excavation most likely originated from somewhere in the Cleveland facility coal and coke by-products recovery process area sometime prior to 1980. Attached as Document No. 1 is a document describing the processes which generate listed hazardous wastes from coke plant by-products operations. Coke by-products were produced by LTV Steel and its predecessor companies from the first half of this

century until 1992. During such time, coal tar and other by-products were produced for sale to coal tar refiners and other users. Some of these products, and associated materials, may have required disposal from time to time; possibly, in the area of the excavation of the #1 sedimentation pond. In addition, the material encountered in the excavation may have originated from historic maintenance or construction activities in coke plant areas. From November 19, 1980 until late 1992, the LTV Steel facility generated coal tar decanter tank sludge which, if not recycled pursuant to 40 CFR 261.4(a)(10), would be identified as K087. However, since November, 1980, these materials have always been recycled within the scope of the noted exclusion.

LTV Steel began shipping coke by-product plant materials from its idled Cleveland coke facility to LTV Steel's Warren, Ohio coke facility on August 3, 1993. The materials are mixed with coal in a containment area on site before transport to Warren. There, the material is recycled by reinsertion to the coke ovens for use as feedstock in the coking process.

The materials mixed with coal and transported to Warren for use as feedstock, if disposed, could be classified as a listed cokemaking hazardous waste. Pursuant to 40 CFR 261.4(a)(10), these materials are specifically excluded from the definition of solid waste and consequently, excluded from regulation from the point of generation to the point of recycle. Pursuant to Section 3006 of RCRA, 40 CFR 261.4(a)(10) took effect in Ohio at the same time it took effect at the federal level (i.e. February 18, 1993). LTV Steel has no information indicating that coal tar or related materials have been disposed in the area of the #1 sedimentation pond since prior to 1980. The origin of the material cannot be determined.

- 8.(a) See attached Document Package 2 for maps of LTV Steel's on site solid waste management facility to which the #1 sedimentation pond is attendant. Please also see attached Document 3 which is a CERCLA §103(c) notification.
- (b) Non-hazardous air and water pollution control dusts and sludges. Please refer to Document Package 4.
- (c) No hazardous wastes have been disposed at the solid waste management facility. Some material excavated from the #1 sedimentation pond was placed in rolloff boxes immediately adjacent to the #1 sedimentation pond and

then transferred to trucks for disposal at the Enviro-safe landfill in Oregon, Ohio.

(d) Please refer to Document 5. Excavations of a sedimentation pond associated with an industrial waste landfill closure.

(e) Please refer to Document Package 7. (Great Lakes Construction project logs.)

9. Excavation on April 27, 1993 was being carried out on the south side of the #1 sedimentation pond (see Document 5) by an excavator and several dump trucks. There was a member of the LTV Steel Labor Department watching for tar-like material standing at the top of the excavation south of the excavator. The excavator was removing C&D type material (bricks, cement chunks, scrap metal, and dirt) and emptying it directly into tri-axle dump trucks that were transporting it directly to Kurtz on E. 49th Street.

Tom Girdler received a call from Stan Rihtar that the County landfill inspectors had found tar-like material freshly deposited at the Kurtz landfill. All excavation immediately stopped. The landfill operator climbed onto the most recently filled truck still on site and smelled tar. This truck was held. The operator drove to Kurtz by a shortcut and arrived before any further trucks were unloaded. He sent these trucks back to the construction site loaded. All trucks were unloaded back into the excavation and the equipment decontaminated by Enviroserve JV. before further use. See also, Document Packages 8 and 12.

10. a. Various steel mill construction and demolition debris wastes from anywhere in a steel mill and apparently coke plant related tar.
- b. See Documents 9, 12 and 14 for an analysis of the tar contaminated material.
- c. South bank, center, approximately 4 to 8 feet deep. See Document 5.
- d. There was no apparent segregation of wastes in this area. Material was a mixture of bricks, scrap, dirt, sand, cement chunks, and some tar-like material.
- e. There was no apparent method of segregation.

11. a. The method of transportation was tri-axle dump truck.
 - b. Silver Arrow truck lines and Moribito Co. were subcontractors for Stein Co. and did the hauling. Silver Arrow hauled all the waste containing tar-like material to Kurtz. Refer to Document Package 10.
 - c. See Document 11.
 - d. See Document Package 10.
 - e. It is estimated that 16,000 cubic yards of material was excavated from the #1 sedimentation pond. Approximately 100 cubic yards (200,000 lbs.) was directed from the Kurtz landfill to Envirosafe Services of Ohio. The total amount of material directed to the Kurtz Brothers landfill from the #1 sedimentation pond excavation is unknown. However, truck delivery tickets for the material delivered to Kurtz are attached as Document Package 10.
12. See responses to questions 7 through 11.
 13. See Documents 9 and 13.
 14. See responses to questions 7 through 11.
 15. All information provided by the individuals identified in response #1 has been included in the above responses.

[DEP/CMF3538]

June 8, 1993

Mr. Murat Tukul
Ohio Environmental Protection Agency
Northeast District Office
2100 East Aurora Road
Twinsburg, Ohio 44087

Dear Mr. Tukul:

Subject: LTV STEEL COMPANY, INC. - CLEVELAND WORKS
POND EXCAVATION

The following is provided in response to your letter of May 24, 1993 (attached), requesting documentation associated with the excavation of No. 1 sedimentation pond at LTV's Cleveland Works landfill.

On April 27, 1993, a contractor for LTV Steel hauled nine truckloads of excavated soil to the Kurtz Brothers landfill located at 4700 East 49th Street, Cleveland, Ohio. Please note specifically that the material directed to Kurtz was soil containing limited organic matter and larger pieces of gravel, slag and crushed bricks. This material was not waste. Upon arrival at the Kurtz facility, it was discovered that some of the soil contained a tar-like substance. Cuyahoga County Health Department discovered the tar-like material on April 27, 1993 and notified LTV Steel accordingly on the same day. LTV Steel understands that Ohio EPA inspected the Kurtz landfill on April 28, 1993.

Immediately upon notification by the County, an LTV Steel representative was dispatched to the Kurtz landfill and immediately thereafter directed Enviroserve, J.V. to segregate any tar-like material from the nine loads of soil. On April 27, Enviroserve, J.V. began the segregation operations. All material was then shipped to the Enviro-safe Services of Ohio, Inc. (ESOI) facility in Oregon, Ohio.

The primary goal was to remove the tar-like material from the Kurtz landfill as quickly as possible and have it disposed in a safe manner. It was assumed the material was properly identified, based on assumed knowledge of the waste tar-like material as a USEPA listed hazardous waste, K141. Based on this assumption, there were no samples of the tar-like material taken to further characterize this waste. Unfortunately, after further review, LTV has been able to develop little evidence indicating that the disposed material was in fact a K141 waste.

Mr. Tukul
June 8, 1993
Page 2

The USEPA description of listed wastes are very specific. The USEPA description of K141 waste in 40 CFR 261 is as follows:

Process residues from the recovery of coal tar, including but not limited to tar collecting sump residues from the production of coke or the recovery of coke by-products.

The preamble to USEPA's August 18, 1992 rule establishing K141 as a listed waste is very specific in identifying tar collecting sump residues as K141 wastes. In addition, USEPA background documents to the August 18 rule identifies K141 as being generated only from tar collecting sumps or some other phase of the coke by-product recovery operation. Despite the language "Process residues from the recovery of coal tar including but not limited to tar collecting sump residues", the only reading of the rule that is rational is that K141 must be generated from a tar collecting sump or some other very closely related piece of equipment in a Coke Plant by-product facility. Except for the visual observation that the material discovered at the Kurtz landfill contained a tar-like material, LTV Steel has no evidence that the material originated in a Coke Plant tar collecting sump or closely related piece of processing equipment.

Therefore, although LTV Steel acted in the most environmentally responsible manner under the circumstances, LTV Steel believes the designation of the tar-like material as K141 may have been in error. It would have been more appropriate to run the TCLP analysis on the material for more precise characterization.

With respect to the statement that LTV Steel failed to evaluate its wastes before their disposal as required by OAC-3745-52-11, it is imperative that Ohio EPA understand that excavated soil materials of the type encountered at Yucca Flats are not wastes subject to OAC-3745-52-11.

Also provided herein is LTV Steel's response to Ohio EPA's enumerated requests for documentation in its May 24 correspondence.

1. At this time, no further excavations are planned in the Yucca Flats area. However, if future excavations do occur, LTV Steel, where appropriate, will conduct on site monitoring by placing observers in the area of the excavation to prevent tar-like material from being inadvertently transported off site.

Mr. Tukul
June 8, 1993
Page 3

2. Attached are LTV Steel's test results from May 13, 1993 which are an example of LTV Steel's testing methodology for wastes undergoing TCLP analysis. Prior to identifying a waste as a listed hazardous waste, a detailed investigation must occur concerning where the waste originated. With historic contamination, it is generally impossible to determine the specific point of generation of a hazardous material. Therefore, in most situations, it will be appropriate to perform the TCLP analysis to determine if a material should be classified as a hazardous waste.
3. Attached are hazardous waste manifests which document disposal of the tar-like contaminated material at ESOI landfill during the week of April 27, 1993.

After Ohio EPA has had an opportunity to review this letter and analyze the attachments, LTV Steel would like to meet with Ohio EPA to discuss this matter in greater detail.

In the interim, should you have any questions, please call me at (216) 429-6370.

Sincerely,

LTV STEEL COMPANY, INC.



R. L. Nemeth
Manager
Environmental Control Department

RLN:db

Attachments

CERTIFIED - RETURN RECEIPT



State of Ohio Environmental Protection Agency

Northeast District Office

2110 E. Aurora Road
Cincinnati, Ohio 44087-1969
(616) 425-9171
FAX (216) 487-0769

RECEIVED

MAY 26 1993

**ENVIRONMENTAL CONTROL DEPT.
CLEVELAND WORKS**

George V. Voinovich
Governor

May 24, 1993

RE: LTV STEEL COMPANY, INC.
OHD 046 203 774
CUYAHOGA COUNTY
LQG
NOTICE OF VIOLATION

CERTIFIED MAIL

Mr. R. L. Nemeth
Superintendent Environmental Control
LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

Dear Mr. Nemeth:

On April 27, 1993, this office received a complaint (Complaint # 4155) alleging that LTV Steel Company disposed of nine (9) truck loads of hazardous waste at Kurtz Brothers Landfill located at 4700 East 49th Street, Cleveland, Ohio. Mr. Scott Winkler (DSIWM) and I conducted an investigation at the Kurtz Brothers Landfill on April 28, 1993. At the time of the investigation Mr. Gary Samerigo of Kurtz Brothers, Inc. accompanied us at the site.

On April 27, 1993, LTV Steel Company sent nine (9) truck loads of Sedimentation Pond #3 excavation material to the Kurtz Brothers Landfill. Upon arrival, these materials were identified as tar contaminated soils (K141 wastes) as some tar like material was observed within the loads. LTV Steel Company and its contractor, Envirosafe were immediately notified. On April 28, 1993, Envirosafe started segregating all the waste from the nine loads disposed of on April 27, 1993 and hauled them to its Oregon, Ohio TSD facility manifested as K141 hazardous wastes.

Coal tar contaminated soils are listed as K141 hazardous wastes under the Code of Federal Register (CFR) 40 CFR 261.33. This waste code has not yet been promulgated under the Ohio Administrative Codes (OAC). It appears that LTV Steel Company has violated federal regulations by disposing K141 hazardous wastes to a solid waste disposal facility. This matter is being forwarded to the U.S. EPA Region V for further review, consideration and action if necessary.

LTV Steel Company has also violated Ohio Administration Code (OAC) 3745-52-11 by failing to evaluate its wastes before their disposal. This is a repeat violation from LTV Steel's Sedimentation Pond #4 excavation project (see Ohio EPA's October 1, 1992 letter).



Mr. R. L. Nemeth
May 24, 1993
Page Two

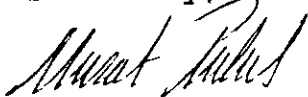
Ohio EPA requests the following documentation in order to further evaluate the incident and LTV Steel's compliance with the state and federal hazardous waste rules and regulations:

- 1) LTV Steel Company shall submit a revised protocol of standard operating procedures for conducting excavations at the Yucca Flats area in order to prevent these violations from re-occurring.
- 2) LTV Steel shall submit screening and/or testing methodologies addressing both listings and characteristics of hazardous wastes encountered from the sedimentation pond excavations.
- 3) LTV Steel shall submit the proper disposal documentation (manifests) of waste materials that were segregated and sent to the Envirosafe facility during the week of April 27, 1993.

Ohio EPA's October 1, 1992 letter still represents this Agency's position on this matter. Please be advised that Ohio EPA reserves the right, pursuant to Chapters 6111 and 3734 of the Ohio Revised Code and any other applicable state and federal law or regulation, to require further site investigation and remediation to address releases into the environment of hazardous waste, hazardous substances, industrial wastes, pollutants or contaminants at the facility.

Please respond to this letter and submit the above mentioned documentation to this office by June 8, 1993. If you should have any questions regarding this letter, please do not hesitate to call me at (216) 963-1192.

Sincerely,



Murat Tukel
Environmental Engineer
Division of Hazardous Waste
Management

MT/fwn

cc: Paul Anderson, DHWM, NEDO
Harry Courtright, DHWM, NEDO
Nancy Zikmanis, DHWM, NEDO
Laurie Stevenson, DHWM, CO
Scott Winkler, DSIWM, NEDO
B.J. Meder, Cuyahoga Health Dept.



**ENVIRONMENTAL
CONTROL
LABORATORIES INC.**

21845 Drake Road
Strongsville, Ohio 44136
(216) 238-6100
FAX: (216) 238-0395

Mr. Stan Rihtar

Page 1 of 2

LTV Steel Company
Environmental Control Dept.
3100 East 45th Street
Cleveland OH 44127

E.C. Lab #: 93051007
Sample Date: 5/7/93
Received Date: 5/10/93
TCLP Extract Date: 5/11/93
Analysis Date: 5/13/93
Report Date: 5/14/93
Matrix: Solid

Report Covering Analysis of: Pond #1 Sewer Excavation

TCLP VOLATILES *

Method SW846 8240

Compound

Vinyl Chloride
1,1-Dichloroethene
2-Butanone(MEK)
Chloroform
Carbon Tetrachloride
Benzene
1,2-Dichloroethane
Trichloroethene
Tetrachloroethene
Chlorobenzene

**Detection
Limit-ppm**

0.01
0.005
0.05
0.01
0.005
0.005
0.005
0.005
0.005
0.005

93051007-1
Pond #1 Sewer Exv.
Results-ppm

BDL
BDL
BDL
BDL
BDL
BDL
BDL
BDL
BDL
BDL

**SPK
Recovery**

-
-
-
-
-
-
-
-
-
-

**Bias
Corrected
Value**

-
-
-
-
-
-
-
-
-
-

Surrogates

1,2-Dichloroethane-d4
Toluene-d8
4-Bromofluorobenzene

**Acceptable
Range**

76-114
88-110
86-115

**Percent
Recovery**

78
96
92

Note: BDL (Below Detection Limit)

* Extraction: Method SW846 1311



**ENVIRONMENTAL
CONTROL
LABORATORIES INC.**

21845 Drake Road
Strongsville, Ohio 44136
(216) 238-6100
FAX: (216) 238-0395

Mr. Stan Rihtar

Page 2 of 2

LTV Steel Company
Environmental Control Dept.
3100 East 45th Street
Cleveland OH 44127

E.C. Lab #: 93051007
Sample Date: 5/7/93
Received Date: 5/10/93
TCLP Extract Date: 5/11/93
Extraction Date: 5/12/93
Analysis Date: 5/13/93
Report Date: 5/14/93
Matrix: Solid

Report Covering Analysis of: Pond #1 Sewer Excavation

TCLP SEMI-VOLATILES *

Method SW846 8270

Compound

Cresol
1,4-Dichlorobenzene
Hexachlorobenzene
Hexachlorobutadiene
Hexachloroethane
2,4-Dinitrotoluene
Nitrobenzene
Pentachlorophenol
Pyridine
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol

**Detection
Limit-ppm**

0.02
0.01
0.01
0.01
0.01
0.01
0.01
0.05
0.02
0.01
0.01

93051007-1
Pond #1 Sewer Exv.
Results-ppm

BDL
BDL
BDL
BDL
BDL
BDL
BDL
BDL
BDL
BDL
BDL

**SPK
Recovery**

-
-
-
-
-
-
-
-
-
-
-

**Bias
Corrected
Value**

-
-
-
-
-
-
-
-
-
-
-

Surrogates

2-Fluorophenol
Phenol-D6
Nitrobenzene-D5
2-Fluorobiphenyl
2,4,6-Tribromophenol
P-Terphenyl-D14

**Acceptable
Range**

21-100
10-94
35-114
43-116
10-123
33-141

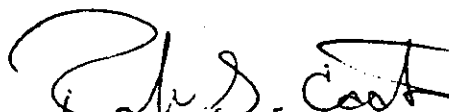
**Percent
Recovery**

46
31
98
63
89
97

Note: BDL (Below Detection Limit)

* Extraction: Method SW846 1311

Signed:


Robert S. Crookston
Lab Manager

Nº 064686

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O H D 0 0 4 2 1 8 6 7 3

Manifest Document No.
6 4 6 8 6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

DART Trucking Co. Inc.

6. US EPA ID Number

O.H.D. 009865825

A. State Manifest Document Number

OHD Nº 064686

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone *1-800-533-085*

G. State Facility's ID

H. Facility's Phone

419/255-5100

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D. 0 4 5 2 4 3 7 0 6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

MM

a. ☒ X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001

DT

13. Total Quantity

est.

440.00

14. Unit Wt/Vol

P

L Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

*D81
scf
cub*

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

EGE #31

*24-66T
4930P*

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10.12.819.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

VICTOR A. RENKO

Signature

Victor A. Renko

Month Day Year
10.12.819.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
10.12.819.3

19. Discrepancy Indication Space

*Box 13 added per Wally Rakovich - P
4-28-93*

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pirtner

Signature

Dale M. Pirtner

Month Day Year
10.12.819.3

ORIGINAL — RETURN TO GENERATOR

Nº 064687

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

O H D. 0. 0. 4. 2. 1. 8. 6. 7. 3

Manifest
Document No.

6. 4. 6. 8. 7

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

A. State Manifest Document Number

OHD Nº 064687

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

DART TRUCKING CO. INC.

6. US EPA ID Number

10.H.D.O.0.9.8.6.5.8.2.5

8. US EPA ID Number

7. Transporter 2 Company Name

10. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10.H.D.O.4.5.2.4.3.7.0.6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)12. Containers
No. Type

001

DT

13.
Total
Quantity

4.65.00

14.
Unit
Wt/Vol

P

1.
Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

EGR#31 47080P.
23.54TMAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10.4.12.8.19.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

GLEN KOFFER

Signature

Glen Koffer

Month Day Year
10.4.12.8.19.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
10.4.12.8.19.3

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JERRY R. KEE

Signature

JERRY R. KEE

Month Day Year
10.4.12.8.19.3

ORIGINAL — RETURN TO GENERATOR

OHD

Nº 077708

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7 . 7 . 7 . 0 . 8

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077708

B. State Generator's ID

5. Transporter 1 Company Name

DART TRUCKING CO INC

6. US EPA ID Number

OHD 00.98.65.82.5

G. State Transporter's ID

D. Transporter's Phone **1-800-533-029**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O. H. D. 0. 4. 5. 2. 4. 3. 7. 0. 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. ☒ **RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)**

12. Containers
No. Type

001 DT

13. Total
Quantity

**EST. Per A. Chaity TJD
Per M. W. P. 45.000**

14. Unit
Wt/Vol

I. Waste No.

K141

GENERATOR

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

**DH
SFCG**

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

**25.58T
51160P**

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10/4/28/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

FRANK VIGNOLI

Signature

Frank Vignoli

Month Day Year
10/4/28/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
10/4/28/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Peters

Signature

Dale M. Peters

Month Day Year
10/4/29/93

OHD

ORIGINAL — RETURN TO GENERATOR

Nº 077710

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 8 . 7 3

Manifest
Document No.

7 . 7 . 7 . 1 . 0

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077710

B. State Generator's ID

5. Transporter 1 Company Name

DART Trucking Co. Inc.

6. US EPA ID Number

6 . H . D . 0 . C . 9 . 8 . 6 . 5 . 8 . 2 . 5

C. State Transporter's ID

D. Transporter's Phone 1-800-530-2355

7. Transporter 2 Company Name

8. US EPA ID Number

.....

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

10 . H . D . 0 . 4 . 5 . 2 . 4 . 3 . 7 . 0 . 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001

DT

13. Total
Quantity

450.00

14. Unit
Wt/Vol

P

L
Waste No.

K141

b.

c.

d.

15. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D81
SCF
cell

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

EGR #31

43609
JLST

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
04/29/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

LARRY D. Goff

Signature

Larry D. Goff

Month Day Year
04/29/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penton

Signature

Dale M. Penton

Month Day Year
04/29/93

OHD

ORIGINAL — RETURN TO GENERATOR

Nº 077711

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Q H D 0 0 4 2 . 1 . 8 . 8 . 7 . 3

Manifest
Document No.
7 . 7 . 7 . 1 . 12. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077711

B. State Generator's ID

5. Transporter 1 Company Name

DART TRUCKING INC

6. US EPA ID Number

Q H D 0 0 4 2 . 1 . 8 . 8 . 7 . 3

C. State Transporter's ID

D. Transporter's Phone 1-800-533-0557

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D 0 . 4 . 5 . 2 . 4 . 3 . 7 . 0 . 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)12. Containers
No. Type

001

DT

13. Total
QuantityEST. PER A
4.5.0.0.014. Unit
Wt/VolChecky Per wally
P K141

1. Waste No.

1. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DHL
SCUF
cell 6

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

6 9 1 2 9 1 9 3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

FRED BLOM

Signature

Fred Blom

Month Day Year

6 4 1 2 9 1 9 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale Rihtar

Signature

Dale Rihtar

Month Day Year

6 9 1 2 9 1 9 3

OHD

ORIGINAL — RETURN TO GENERATOR

Nº 077712

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.
7.7.7.1.22. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077712

B. State Generator's ID

5. Transporter 1 Company Name

PORT TRUCKING INC

6. US EPA ID Number

O.H.D.0.0.4.2.1.8.6.7.3

C. State Transporter's ID

D. Transporter's Phone 1-800-533-0255

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)12. Containers
No. Type

001 DT

13.
Total
Quantity

4.500.0

14.
Unit
Wt/Vol

P

L
Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SC2F-G
P81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

EGR #31

2372 T

3520 P

4759

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

24-Hr. Emergency Contact 419/691-0016

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/9/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Lorne L. Honey

Signature

Lorne L. Honey

Month Day Year

10/12/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Rick Brogan

Signature

Rick Brogan

Month Day Year

10/12/1993

OHD

ORIGINAL — RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Nº 077716

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 8 . 7 . 3

Manifest Document No.

7 . 7 . 7 . 1 . 6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

morrow B&LK

6. US EPA ID Number

10.H.D.9.8.7.0.2.1.0.2.9

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

10.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number

OHD Nº 077716

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone (419) 836-6187

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No. Type

001 DT

13. Total Quantity

47370

79600 PMS

14. Unit Wt/Vol

P

K141

1. Waste No.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

ERG#31 47160P
23.58T
G.D.81

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

6.4.30.93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

John E Pointer

Signature

John E Pointer

Month Day Year

6.4.30.93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

FERRER P. CKE

Signature

FERRER P. CKE

Month Day Year

01.3.93

ORIGINAL — RETURN TO GENERATOR

OHD

Nº 077730

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Q H D 0 0 4 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.
7.7.7.3.0

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 428-6370

5. Transporter 1 Company Name

MORROW Bulk

6. US EPA ID Number

Q H D 9 . 8 . 7 . 0 . 2 . 1 . 0 . 2 . 9

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D . 0 . 4 . 5 . 2 . 4 . 3 . 7 . 0 . 6

A. State Manifest Document Number

OHD Nº 077730

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone (419) - 836-6187

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

15. Waste No.

001

DT

46.150

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

ERG 31 47080P
23.54T

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
04/13/01

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charles Smith

Signature

Ch L Smith

Month Day Year
10/13/01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
10/13/01

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

ERRY PICKER

Signature

ERRY PICKER

Month Day Year
04/13/01

ORIGINAL — RETURN TO GENERATOR

May 17, 1993

Ms. Marcie Burrow
Ohio State Emergency Response Commission
Division of Emergency Remedial Response
P.O. Box 1049
1800 WaterMark Drive
Columbus, Ohio 43266-0149

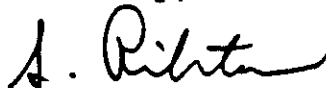
Dear Ms. Burrow:

Subject: LTV STEEL COMPANY, INC. - CLEVELAND WORKS
INCIDENT IDENTIFICATION NO. 9304-18-1580

Attached is a follow-up report for the verbal report of a tar release which occurred on April 27, 1993. The report format follows that of the attached Ohio Environmental Protection Agency questionnaire and the answers have been numbered accordingly.

Please call me at (216) 429-6396 if you have any questions or require additional information regarding this matter.

Sincerely,



S. Rihtar
Environmental Engineer
Environmental Control Department

SR:db

Attachment

CERTIFIED - RETURN RECEIPT

cc & attm.: Mr. Murat Tukel - OEPA, Twinsburg
Mr. B. J. Meder - Cuy. Co. Bd. of Health
Ms. Joanne Hartman - Cleve. Dept. of Health

This is your company's opportunity to explain in its own words, the circumstances and actions relating to the release of pollutants to the environment. If any of the following questions are not applicable to your incident, indicate NA for that item.

1. Reporting

- (a) Time and date of discharge/release.
- (b) Time and date of discovery that the discharge had occurred.
- (c) When and to who was the release first reported?
- (d) Indicate the identification number referenced in the cover letter.
- (e) Who notified Ohio EPA/U.S. EPA?

2. Location

- (a) Mailing address.
- (b) Location of discharge; County, Township and City.
- (c) Longitude and latitude if source was non-transportation. (or enclose copy of a portion of a U.S. GS map showing location)
- (d) Distance and direction from nearest intersection (or milepoint) if transportation related.

3. Product Release

- (a) Please give the common and technical name(s) of the material(s) released and CAS Number(s).
- (b) Is the product listed under Section 302 (a) of SARA Title III or CERCLA 102(a). (If yes, then a copy of your response to these questions should be sent to your LEPC).
- (c) What was the quantity and duration of the discharge. Indicate volume in gallons or pounds.

4. Environmental Impact

- (a) Did the product reach "Waters of the State"?
Provide the name of the water course. (Underground waters are waters of the State.)
- (b) What was the length or area of the water affected?
- (c) If no water was affected, what was the surface area and depth of soil contamination. Please provide area of soil contamination even when waters are affected.
- (d) Did any evacuation result?
- (e) Was any animal or vegetation damage observed?
- (f) Were any health effects reported? How many humans were exposed/injured?
- (g) Was medical advice provided for exposed individuals?

5. Monitoring and Detection

- (a) Describe how the release was detected and monitored to determine off-site concentration. (Be specific as to any monitoring system in place at your facility.)
- (b) If the release was airborne, how was the wind direction and speed determined?
- (c) Was the public warned and if so, how?

6. Mitigation, Containment Action

- (a) How much product or waste was recovered or neutralized.

OVER

- (b) How was the material recovered or neutralized?
- (c) Where was the cleanup waste taken?
- (d) Were any other actions taken to reduce the impact of the discharge (boom, siphon dams, sorbent)?

7. Please provide plans to eliminate any future spills discharges or emissions which may occur at this specific source. This must include; employee training, replacement of equipment, construction, and security measures such as lighting, fencing or locks.

If this is the second oil spill at this location, or a spillage of over 1,000 gallons which has reached water, then you must submit copies of your Spill Prevention Control and Countermeasure Plan (SPCC) to the USEPA Regional Administrator and to this Agency within 60 days from the time of the discharge as provided by 40 CFR 112.4. Your SPCC plan should be submitted with your response to this letter.

8. Health Risks

- (a) What protective precautions were taken as a result of the release?
- (b) List known or anticipated acute and chronic health risks of exposure to the substances which are released. Site source of information provided.

9. Indicate any air, water, or other permit numbers which may be pertinent to this incident. Please indicate type of permit(s).

(a) If this is an NPDES/air permit, please enclose a copy of your current effluent/emission limitations.

10. Provide a chronological review of the incident. Include a chronology of communications with state and local government agencies.

11. Provide any photographs, reports or other documents whether generated by your company or outside entities which are germane to the incident (e.g. accident reports, manifest, bills of lading laboratory analyses?).

12. Describe any extenuating circumstances which caused the discharge.

13. Economic Impact (This question is voluntary)

- (a) What was the dollar value if any of the spilled product?
- (b) What was the equipment damage cost?
- (c) What were the costs of spill cleanup?
- (d) What are the estimated costs of spill prevention to eliminate possible reoccurrence of this event?

14. Provide the name and title of the environmental contact(s) at your company and their telephone number.

Submit your response within 30 days to:

Ohio EPA, Office of Emergency Response
P.O. Box 1049, 1800 WaterMark Drive
Columbus, Ohio 43266-0149

LTV STEEL COMPANY, INC.
INCIDENT I.D. NO. 9304-18-1580

1. Reporting
 - a. Approximately 8:00 a.m. - April 27, 1993
 - b. 3:00 p.m. - April 27, 1993
 - c. 3:30 p.m. - April 27, 1993 - Reported to National Response Center.
 - d. I.D. No. 9304-18-1580
 - e. Ohio EPA notified by S. Rihtar, LTV Steel Co.
2. Location
 - a. LTV Steel Company, Inc.
3100 East 45 Street
Cleveland, Ohio 44127
 - b. Cuyahoga County - Kurtz Landfill, 5000 East 49 St.
Cuyahoga Hts., Ohio 44125
 - c. NA
 - d. 5000 East 49th Street
3. Product Release
 - a. Tar-contaminated soil, EPA Waste No. K141
 - b. No
 - c. Approximately 200,000 Pounds
4. Environmental Impact
 - a. No
 - b. NA
 - c. Approximately 1,000 square feet, surface contamination only.
 - d. No
 - e. No
 - f. None
 - g. NA
5. Monitoring and Detection
 - a. Visual
 - b. NA
 - c. NA
6. Mitigation, Containment Action
 - a. 200,000 Pounds
 - b. The material was scraped up with a front-end loader and placed into dump trucks and rolloff containers.
 - c. Envirosafe Services of Ohio, Inc. Landfill
 - d. NA
7. Plans to Eliminate Future Spills

Two employees have been assigned the duty of observing the excavation of #1 sedimentation pond for the presence of tar. They are positioned so that both the excavation and truck loading operations are monitored. If tar is encountered, appropriate material management will ensue.

8. Health Risks

- a. None
- b. NA

9. Permits

Approved Permit to Install No. 02-5830 for LTV's Cleveland Works Landfill.

10. Chronological Review

April 27, 1993 - 8:00 a.m. - Tar-contaminated material was inadvertently transported and dumped at Kurtz Landfill.

8:30 a.m. - LTV discovered tar-contamination at #1 pond construction site during excavation.

8:30 a.m. - Ceased excavation of Pond #1.

8:35 a.m. - Enviroserve, J.V. was contacted to decontaminate excavating equipment.

9:00 a.m. - Enviroserve arrived and initiated equipment decontamination.

3:00 p.m. - Tar-contaminated waste material from LTV discovered at Kurtz Landfill during an inspection.

3:00 p.m. - Kurtz notified LTV of the tar contamination.

3:05 p.m. - Enviroserve, J.V. was contacted for remediation and decontamination of equipment.

3:30 p.m. - Enviroserve arrived at Kurtz Landfill and initiated cleanup.

3:30 p.m. - National Response Center notified (Report #170013).

3:35 p.m. - Ohio EPA Emergency Response notified.

April 28, 1993 - 8:30 p.m. - Remediation completed.

11. Manifests are attached.

12. Extenuating Circumstances

Approximately 100 tons of tar-contaminated construction and demolition material was inadvertently excavated during the construction of #1 sedimentation pond, loaded into trucks and transported to Kurtz Landfill. It was not until later that LTV discovered tar contamination during excavation. Immediately upon discovery of the contamination, operations ceased and remediation was initiated.

13. Economic Impact

- a. NA
- b. NA
- c. \$23,000
- d. NA

14. Environmental Contact

Stan Rihtar, Environmental Engineer - 216/429-6396
Richard Nemeth, Manager - 216/429-6370

RECEIVED

APR 27 1993

LTV Steel Company



ENVIRONMENTAL CONTROL

April 21, 1993

Mr. Tim Hickin
Ohio State Emergency Response Commission
Division of Emergency Remedial Response
P.O. Box 1049
1800 WaterMark Drive
Columbus, Ohio 43266-0149

Dear Mr. Hickin:

Subject: LTV STEEL COMPANY, INC. - CLEVELAND WORKS
INCIDENT IDENTIFICATION NO. 9304-18-1379

Attached is a follow-up report for the verbal report of a tar release which occurred at our Cleveland Works on April 13, 1993. The report format follows that of the attached Ohio Environmental Protection Agency questionnaire and the answers have been numbered accordingly.

Please call me at (216) 429-6396 if you have any questions or require additional information regarding this matter.

Sincerely,

S. Rihtar
Environmental Engineer
Environmental Control Department

SR:db

Attachment

CERTIFIED - RETURN RECEIPT

cc & attm.: Mr. Murat Tukel - OEPA, Twinsburg
Mr. B. J. Meder - Cuy. Co. Bd. of Health
Ms. Joanne Hartman - Cleve. Dept. of Health

LTV STEEL COMPANY, INC.
INCIDENT I.D. NO. 9304-18-1379

1. Reporting

- a. 11:30 a.m. - April 13, 1993
- b. 11:30 a.m. - April 13, 1993
- c. 3:50 p.m. - April 13, 1993 - Reported to Nation Response Center.
- d. I.D. No. 9304-18-1379
- e. Ohio EPA notified by S. Rihtar, LTV Steel Co.

2. Location

- a. LTV Steel Company, Inc.
3100 East 45 Street
Cleveland, Ohio 44127
- b. Cuyahoga County - Village of Newburgh Hts.
- c. Lat: 41 27' 19", Long: 81 40' 17"
- d. NA

3. Product Release

- a. Tar-contaminated soil, EPA Waste No. K141
- b. No
- c. Approximately 96,000 Pounds

4. Environmental Impact

- a. No
- b. NA
- c. Approximately 5,000 square feet, surface contamination only.
- d. No
- e. No
- f. None
- g. NA

5. Monitoring and Detection

- a. Visual
- b. NA
- c. NA, the release was not offsite.

6. Mitigation, Containment Action

- a. 96,000 Pounds
- b. The material was scraped up with a front-end loader and placed into dump trucks and rolloff containers.
- c. Envirosafe Services of Ohio, Inc. Landfill
- d. NA

7. Plans to Eliminate Future Spills

An employee has been assigned the duty of observing the excavation of #1 sedimentation pond for the presence of tar. If tar is encountered, appropriate material management will ensue.

8. Health Risks

- a. None
- b. NA

9. Permits

Approved Permit to Install No. 02-5830 for the Cleveland Works Landfill.

10. Chronological Review

April 13, 1993 - 11:30 a.m. - Fill dirt for use at Pond #3 was observed to have tar contamination.

11:35 a.m. - Ceased excavation of Pond #1.

11:35 a.m. - Ceased construction at Pond #3.

11:40 a.m. - Enviroserve Services, Inc. was contacted for remediation and decontamination of equipment.

2:45 p.m. - Enviroserve arrived and initiated cleanup.

3:50 p.m. - National Response Center notified (Report #167283).

3:55 p.m. - Ohio EPA Emergency Response notified.

April 15, 1993 - 11:00 a.m. - Remediation completed.

11. Manifests are attached.

12. Extenuating Circumstances

Unknowingly, approximately 30 tons of tar contaminated soil was excavated during the construction of #1 sedimentation pond and placed into 2 dump trucks. The contaminated material was then dumped and spread at the #3 Pond construction site for the purposes of constructing an embankment. Immediately upon discovery of the tar contamination, operations ceased and remediation was initiated.

13. Economic Impact

- a. NA
- b. NA
- c. \$75,600
- d. NA

14. Environmental Contact
Stan Rihtar, Environmental Engineer - 216/429-6396
Richard Nemeth, Manager - 216/429-6370

This is your company's opportunity to explain in its own words, the circumstances and actions relating to the release of pollutants to the environment. If any of the following questions are not applicable to your incident, indicate NA for that item.

1. Reporting

- (a) Time and date of discharge/release.
- (b) Time and date of discovery that the discharge had occurred.
- (c) When and to who was the release first reported?
- (d) Indicate the identification number referenced in the cover letter.
- (e) Who notified Ohio EPA/U.S. EPA?

2. Location

- (a) Mailing address.
- (b) Location of discharge; County, Township and City.
- (c) Longitude and latitude if source was non-transportation. (or enclose copy of a portion of a U.S. GS map showing location)
- (d) Distance and direction from nearest intersection (or milepoint) if transportation related.

3. Product Release

- (a) Please give the common and technical name(s) of the material(s) released and CAS Number(s).
- (b) Is the product listed under Section 302 (a) of SARA Title III or CERCLA 102(a). (If yes, then a copy of your response to these questions should be sent to your LEPC).
- (c) What was the quantity and duration of the discharge. Indicate volume in gallons or pounds.

4. Environmental Impact

- (a) Did the product reach "Waters of the State:?"
Provide the name of the water course. (Underground waters are waters of the State.)
- (b) What was the length or area of the water affected?
- (c) If no water was affected, what was the surface area and depth of soil contamination. Please provide area of soil contamination even when waters are affected.
- (d) Did any evacuation result?
- (e) Was any animal or vegetation damage observed?
- (f) Were any health effects reported? How many humans were exposed/injured?
- (g) Was medical advice provided for exposed individuals?

5. Monitoring and Detection

- (a) Describe how the release was detected and monitored to determine off-site concentration. (Be specific as to any monitoring system in place at your facility.)
- (b) If the release was airborne, how was the wind direction and speed determined?
- (c) Was the public warned and if so, how?

6. Mitigation, Containment Action

- (a) How much product or waste was recovered or neutralized.

- (b) How was the material recovered or neutralized?
- (c) Where was the cleanup waste taken?
- (d) Were any other actions taken to reduce the impact of the discharge (boom, siphon dams, sorbent)?

7. Please provide plans to eliminate any future spills discharges or emissions which may occur at this specific source. This must include; employee training, replacement of equipment, construction, or security measures such as lighting, fencing or locks.

If this is the second oil spill at this location, or a spillage of over 1,000 gallons which has reached water, then you must submit copies of your Spill Prevention Control and Countermeasure Plan (SPCC) to the USEPA Regional Administrator and to this Agency within 60 days from the time of the discharge as provided by 40 CFR 112.4. Your SPCC plan should be submitted with your response to this letter.

8. Health Risks

- (a) What protective precautions were taken as a result of the release?
- (b) List known or anticipated acute and chronic health risks of exposure to the substances which are released. Site source of information provided.

9. Indicate any air, water, or other permit numbers which may be pertinent to this incident. Please indicate type of permit(s).

(a) If this is an NPDES/air permit, please enclose a copy of your current effluent/emission limitations.

10. Provide a chronological review of the incident. Include a chronology of communications with state and local government agencies.

11. Provide any photographs, reports or other documents whether generated by your company or outside entities which are germane to the incident (e.g. accident reports, manifest, bills of lading laboratory analyses?).

12. Describe any extenuating circumstances which caused the discharge.

13. Economic Impact (This question is voluntary)

- (a) What was the dollar value if any of the spilled product?
- (b) What was the equipment damage cost?
- (c) What were the costs of spill cleanup?
- (d) What are the estimated costs of spill prevention to eliminate possible reoccurrence of this event?

14. Provide the name and title of the environmental contact(s) at your company and their telephone number.

Submit your response within 30 days to:

Ohio EPA, Office of Emergency Response
P.O. Box 1049, 1800 WaterMark Drive
Columbus, Ohio 43266-0149

April 14, 1993

Mr. David Ridenour
Envirosafe Services of Ohio, Inc.
P.O. Box 167571
Oregon, Ohio 43616

Dear Mr. Ridenour:

Subject: GSN 11637 012

LTV Steel Co., Inc. respectfully requests that the above referenced waste stream be amended to reflect a volume increase of approximately 1,000 cubic yards of material.

Your assistance in effecting this change is greatly appreciated.

Sincerely,

A handwritten signature in cursive script, appearing to read "S. Rihtar", followed by a small circular mark.

S. Rihtar
Environmental Engineer
Environmental Control Department

SR:db



State of Ohio Environmental Protection Agency

Northeast District Office

2110 E. Aurora Road

Twinsburg, Ohio 44087-1969

(216) 425-9171

FAX (216) 487-0769

RECEIVED

OCT 06 1992

file
Yucca Flats

ENVIRONMENTAL CONTROL DEPT.
CLEVELAND DISTRICT

George V. Voinovich
Governor

October 1, 1992

RE: LTV STEEL COMPANY, INC.
OHD 004 218 673
CUYAHOGA COUNTY
LQG

CERTIFIED MAIL

Mr. R. L. Nemeth
Superintendent Environmental Control
LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

Dear Mr. Nemeth:

This office has become aware that LTV-Steel Company recently encountered a layer of tar like material during excavation activities associated with the construction of Sedimentation Pond #4 in the Yucca Flats area. During our phone conversation on September 17, 1992, you indicated that this material appeared to be tar sludges from coke batteries generated during the 1950's. The material tested hazardous for pyridine and benzene. LTV-Steel excavated the waste and visibly contaminated soils and placed the excavated materials into roll-off boxes. Approximately 400 cubic yards of contaminated soils are currently being stored at the site. Ohio EPA requires LTV-Steel to analyze and properly dispose of the contaminated soils. LTV-Steel has ceased all construction activities related to Sedimentation Pond #4 and has covered the excavated area with a clay layer.

This pre-RCRA solid waste management unit will be investigated under RCRA Corrective Actions. This office recommends LTV-Steel excavate and properly dispose all the contaminated soils. LTV-Steel shall conduct investigations and remedial activities consistent with the U.S. EPA RCRA Corrective Action guidance. All the analytical results, disposal documentation and remediation plans shall be kept at the facility for future reference. Ohio EPA does not intend to provide oversight of the remediation activities, but does request documentation of proper disposal of excavated materials. LTV-Steel may send us a copy of its remediation plan although Ohio EPA does not intend to review or comment on this plan at this time.



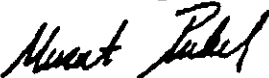
Printed on recycled paper

Mr. R. L. Nemeth
October 1, 1992
Page -2-

Please be advised that Ohio EPA reserves the right, pursuant to Chapters 6111 and 3734 of the Ohio Revised Code and any other applicable state and federal law or regulation, to require further site investigation and remediation to address releases into the environment of hazardous wastes, hazardous substances, industrial wastes, pollutants or contaminants at the facility.

If you should have any questions regarding this letter, please do not hesitate to call me at (216) 963-1192.

Sincerely,



Murat Tukul
Environmental Engineer
Division of Hazardous Waste
Management

MT/fwn

cc: Harry Courtright, DHWM, NEDO
Scott Winkler, DSIWM, NEDO
Rod Beals, DERR, NEDO
B. J. Meder, Cuyahoga County Health Department

February 19, 1992

Mr. Joseph M. Boyle, Chief
RCRA Enforcement Branch
United States Environmental
Protection Agency - Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

RECEIVED
FEB 24 1992
OFFICE OF RCRA
Waste Management Division
U.S. EPA, REGION V

Re: Response to February 5, 1992
Second Notice of Violation
EPA ID No: OHD 004 218 673

Dear Mr. Boyle:

LTV Steel Company, Inc. (LTV Steel) was issued the above referenced Notice of Violation (NOV) which continues dialog regarding an August 28, 1989 inspection of the Cleveland Works performed by representatives of the U.S. EPA. The current NOV indicates that the second of two identified and ongoing issues has been satisfied (LTV Steel response of April 15, 1991), but that the first issue remains outstanding. LTV Steel believes that the explanation contained herein, and that previously provided in our first response, satisfies the requirement of 40 CFR Part 266, and LTV Steel is in compliance with those applicable regulations.

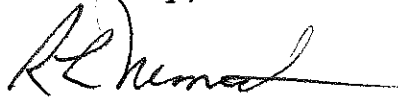
The remaining issue deals with the rebuttable presumption of 40 CFR Part 266.40. LTV Steel is in compliance with the requirements of 40 CFR 266.44 -- Standards applicable to Burners of used oil burned for energy recovery. The point at issue appears to relate to the Marketer, as regulated under section 266.43. The technical and analytical chemistry issues originally raised were answered by our Marketer in a letter from Research Oil Company dated April 5, 1991, and enclosed with the original LTV Steel response to USEPA also dated April 5, 1991. If the Agency questions the sampling method employed by the Marketer, that issue should rightly be addressed directly with Research Oil. However, to help resolve this issue as quickly as possible, LTV Steel forwarded a copy of this Notice of Violation to Research Oil. Attached is a copy of Research Oil's response dated February 20, 1992. We hope that this further explanation is sufficient to resolve the matter.

Mr. Joseph M. Boyle, Chief
February 19, 1992
Page 2

LTV Steel believes that all requirements of 40 CFR Part 266, Subparts D and E, applying to Burners of used oil fuel were being complied with at the time of the 1989 inspection, and continue to be complied with. LTV Steel is very concerned with a resolution of this matter, as Research Oil provides a very valuable and necessary service to us.

Please contact me should you wish to meet with LTV Steel or Research Oil to discuss this issue further.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. L. Nemeth", with a long horizontal flourish extending to the right.

R. L. Nemeth
Manager
Environmental Control Department

Enclosures



Research Oil Company
2777 Broadway Avenue
Cleveland, Ohio 44115
Tel. - 216-623-8383
Fax - 216-623-8393

February 20, 1992

Mr. Richard Nemeth
Environmental Superintendent
LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

Dear Mr. Nemeth:

Thank you for providing us with a copy of the letter you received from Joseph M. Boyle, Chief, RCRA Enforcement Branch, USEPA, Region V.

I have reviewed Mr. Boyle's points concerning rebuttal of the presumption that used oil containing greater than 1,000 ppm of total halogens is a hazardous waste. As the supplier of the oil in question, we have reviewed the regulations in 40CFR 266.40. Neither the regulations nor the comments in the preamble that appeared in the Federal Register with the regulation specified any EPA method to be used in rebuttal. Although court proceedings in the five years since this regulation became effective have emphasized the need for analytic results in rebutting the presumption of mixing, no method has been specified to date. The regulations, as written, allow knowledge of the waste as a sufficient justification for this rebuttal. In the absence of a specific test method, our analytic work was developed to verify and validate the declarations of the generators of the used oil raw material used to produce the fuel product we sell to you. Research Oil has had numerous RCRA inspections by OEPA since 1985 and one by USEPA in 1987. During each inspection, we demonstrated our test methods for determining total and volatile halogens with only a single comment and no notice of violation. In 1987, we sent Shirlee Braur, USEPA Region V, data on the use of the microcoulometer in determining total halogens. She thought that only the bomb calorimeter was approved and was concerned about out testing each inbound load by this slow method. We also sent a copy of the test for SW846. However, we at Research Oil will henceforth only use the gas chromatograph (SW846 method 8010) as the analytic tool to rebut the presumption that a used oil containing greater than 1,000 ppm of total halogens is mixed with a hazardous waste. This rebuttal will only be made when there is no evidence on the GC scan of any halogenated solvent listed in F001 and F002 at a concentration of more than 100 ppm.

Before Research Oil adopted SW846 method 9029, as revised to detect both volatile and total halogens, we undertook substantial laboratory quality assurance of the method analysis. Two

Mr. Richard Nemeth
Page 2
February 20, 1992

analytic projects were completed before we standardized procedures for testing each incoming load of used oil. First, over a two week period, 50 samples of incoming used oils which tested greater than 1,000 ppm total halogens by SW846 were distilled in our laboratory at various temperatures to determine a temperature sufficiently above the boiling point of each halogenated solvent listed in F001 and F002 to insure virtually complete removal. This project included spiked samples of varied mixtures of halogenated solvents, as well as actual samples received at our facility. This work demonstrated that substantially all listed halogenated solvents evaporated from mixtures with used oil at temperatures below 200°C. Based on the first project, Research Oil tested incoming samples with greater than 1,000 ppm of total halogens on both the microcoulometer and the gas chromatograph to determine that there was a high degree of conformance between the results on each unit for a wide variety of used oils.

In 1985 and 1986, when these tests were done, Research Oil received an average of 25 truckloads of used oil each day. After two months of testing, Robert Lohman, then Chief Chemist, and Doreen Ostroske, then Assistant Lab Manager, were convinced that the detection of both halogenated solvents and total halogens on the microcoulometer provided us with consistent results. This method was then adopted and the time consuming gas chromatograph scans were dropped.

After you informed us of the notice of violation from USEPA, we resumed parallel analysis by microcoulometer and gas chromatograph in order to reconfirm once again the efficiency and accuracy of the method we used.

We stand ready to provide further data or meet with you or the USEPA. Please inform us if we can help.

Sincerely yours,

RESEARCH OIL COMPANY



Alan Gressel
President

AG:cm

OHIO EPA

State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149Richard F. Celeste
Governor

December 4, 1987

Re: Reserach Oil Co.
OH0004170612
Waste Oil Fuel Marketer
Cuyahoga CountyMr. Alan Gresel
Research Oil Co.
2655 Transport Road
Cleveland OH 44115

Dear Mr. Gresel:

On September 18, 1987 Shirlee Braur of USEPA and Chris Coder and myself of Ohio EPA inspected your facility for compliance with USEPA's hazardous waste regulation (40 CFR parts 261 & 266) and Ohio's hazardous waste rules (OAC 3745-51&58) as applicable. At that time you reported that you process used oil and aqueous hazardous waste in separate systems. You stated that you market off-spec used oil fuel and smaller quantities of hazardous waste to burners. You stated your waste fuel burning activities were confined to off-spec used oil fuel at the time of the inspection.

Your notification, waste sampling and other recordkeeping appeared to be in order. The results of the three samples taken by Ohio EPA will be supplied to you as they become available.

Thank you for your cooperation.

Sincerely,

Randy Walton
S&E Section, DSHWM

RW/drr

18725(38)

cc: RF

FEB 05 1992

HRE-8J

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Richard Nemeth
Environmental Superintendent
LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

Re: Second Notice of Violation
EPA ID No: OHD 004 218 673

Dear Mr. Nemeth:

On March 8, 1991, the United States Environmental Protection Agency (U.S. EPA) issued LTV Steel Company a Notice of Violation (NOV) which identified two violations of 40 CFR Part 266. On April 9, 1991, U.S. EPA received your response to that NOV. U.S. EPA has reviewed your response and determined that it is deficient.

The first violation concerned the rebuttable presumption of 40 CFR 266.40. During an August 28, 1989, inspection of LTV Steel Company by U.S. EPA, it was discovered that analyses of used oil to be burned by your facility contained greater than 1,000 ppm of total halogens. According to 40 CFR 266.40, such oil is presumed to be hazardous waste because it has been mixed with halogenated hazardous waste. In your April 9, 1991, response, you attempted to rebut this presumption by arguing that the volatile chlorine values were all less than 100 ppm and that, therefore, there was no significant levels of any single chlorinated organic solvent.

This rebuttal is inadequate for several reasons. First, according to your April 9, 1991, submittal, volatile chlorine values were determined using a microcoulemetric titration system that followed SW846 method 9029. We are not aware of this method; it is not in the current SW846, 3rd edition, or in its first update. Therefore, at this time we do not consider this an approved method. We request that you provide clarification on this point. Second, you argue that this method will detect all halogenated solvents on the F001/F002 list, given that they all have boiling points less than 200 °C. We disagree with the logic underlying your argument. While these solvents may have boiling points of less than 200 °C when tested in isolation, this is not necessarily the case when the solvents are part of a mixture. When the solvents are in mixture, their individual boiling points will change, and may no longer be less than 200 °C. Therefore, we cannot concur with your conclusion.

Regarding Item 2 of the NOV, we had requested evidence that your facility complied with 40 CFR 266.44(e), which requires that a burner of off-specification used oil fuel keep a copy of each certification notice required in 40 CFR 266.44(c), for three years from the date he last receives off-specification used oil fuel from a marketer. A copy of the required notice was provided as part of your April 9, 1991, response. Thus we consider this item of the NOV to have been satisfied.

You are required to submit a response in writing to this office no later than 15 days after receipt of this letter documenting the action taken to comply with the above requirements. Failure to comply within the specified time may result in additional Federal enforcement actions.

If you have questions and/or concerns regarding this matter, please contact Jennifer Wolf of my staff at (312) 886-4447.

Sincerely yours,

ORIGINAL SIGNED BY
JOSEPH M. BOYLE

Joseph M. Boyle, Chief
RCRA Enforcement Branch

cc: Mike Savage, OEPA

ap 2/5/92

CONCURRENCE REQUESTED FROM REB			
OTHER STAFF	REB STAFF	REB SECTION CHIEF	REB BRANCH CHIEF
<i>JA</i> <i>2/4/92</i>	<i>QW</i> <i>2/5/92</i>	<i>JEH</i> <i>2/5/92</i>	<i>JMB</i> <i>2/5/92</i>

OFFICIAL FILE COPY

P155069 297

MAR 08 1991

5HR-12

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Richard Nemeth
Environmental Superintendent
LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

Re: Notice of Violation
EPA ID No: OHD 004 218 673

Dear Mr. Nemeth:

On August 28, 1989, your facility located in Cleveland, Ohio was inspected by United States Environmental Protection Agency (U.S. EPA) representatives. The purpose of the inspection was to evaluate compliance with the requirements of the Resource Conservation and Recovery Act (RCRA); specifically, those regulations codified at 40 CFR Part 266, Subparts D and E.

Based on information provided by facility personnel, records review and visual inspection of the site at the time of investigation, it was determined that the facility accepts used oil to be burned for energy recovery. It was also determined that the facility is in violation of the following requirements:

1. 40 CFR 266.40, which states that used oil containing more than 1,000 ppm of total halogens is presumed to be hazardous waste because it has been mixed with halogenated hazardous waste. People may rebut this presumption by demonstrating that the used oil does not contain hazardous waste listed in Subpart D of Part 261. Unless you can successfully rebut this presumption, however, the fuel should be managed as a hazardous waste fuel in accordance with the requirements of 40 CFR 266.35. During an inspection at LTV Steel Company on August 28, 1989, analyses of used oil to be burned by LTV Steel Company contained 2,143 ppm, 2,690 ppm, 2,408 ppm and 4,483 ppm of total chlorine. Only the March 1989, sample analysis (2,408 ppm) contained documentation in the form of a solvent scan to rebut the presumption.
2. 40 CFR 266.44(e), which requires a burner of off-specification used oil fuel to keep a copy of each certification notice required in 40 CFR 266.44(c), for three years from the date he last receives off-specification used oil fuel from a marketer. At the time of the inspection copies of the required notice were not available for review at the facility.

- 2 -

You are required to submit a response in writing to this office no later than 30 days after receipt of this letter documenting the actions taken to comply with the above requirements. The documentation provided should be for the period of time from the date of the inspection to the date of this letter. Failure to reply within the specified time may result in additional Federal enforcement actions.

If you have questions and/or concerns regarding this matter, please contact Allen Wojtas of my staff at (312) 886-6194.

Sincerely yours,

Laura L. Lodisio, Acting Chief
RCRA Enforcement Branch

cc: Mike Savage, OEPA

bcc: A. Budich, REB

AWOJTAS:slowery:09/19/90:3.5 disk #2 :Filename:NEMETH.LTR (5.1)rev.2/26/91slm
FINAL:3/1/91SLM

CONCURRENCE REQUESTED FROM REB			
OTHER STAFF	REB STAFF	REB SECTION CHIEF	REB BRANCH CHIEF
SLM 3-1-91	aw 3/4/91	KLG 6-1-91 3-7-91	JLH 3/7/91

LTV Steel Company

April 5, 1991



United States Environmental
Protection Agency - Region V
230 South Dearborn St.
Chicago, Illinois 60604



Attn: Ms. Laura L. Lodisio, Acting Chief
RCRA Enforcement Branch

Re: LTV Steel Company
Cleveland Works - East & West
EPA ID Nos: OHD 004 218 673 & OHD 046 203 774
Notice of Violation

Dear Ms. Lodisio:

An inspection of the LTV Steel Company, Inc. at the above referenced location was performed by representatives of the U.S. EPA on August 28, 1989. LTV Steel notes that the March 8, 1991 Notice of Violation received is erroneous and the facility is in compliance for the following reasons:

Item 1 of the Notice of Violation questions the rebuttable presumption of 40 CFR 266.40. Four composite fuel analyses are referenced in the NOV for used oil fuels containing in excess of 1000 ppm total chlorine. This information was provided to the agency during the 1989 inspection. Also provided to the agency, on the same Composite Outgoing Fuel Analyses (attached), are the corresponding volatile chlorine values. Three of the four volatile chlorine values are shown to be not detectable and the fourth showed only 75 ppm. The failure of any of the volatile chlorine analyses to show a value greater than 100 ppm conclusively rebuts the presumption that any single chlorinated organic solvent was mixed with the used oil. Research Oil Company, the used oil marketer who provided LTV Steel with the used oil in question, has provided a technical description of the volatile chlorine analytical procedure, which is attached for your analysis. Research Oil's description of the volatile chlorine analytical method explains why a volatile chlorine concentration of less than 100 ppm conclusively rebuts the presumption as outlined by 40 CFR 266.40.

Item 2 of the Notice of Violation questions the one time certification notice requirement of 40 CFR 266.44(c), and with the 266.44(e) invoice recordkeeping requirement. A copy of the appropriate certification notice sent to Research Oil on March 26, 1986 is attached. Also attached is a representative invoice. These invoices are micro-filmed and maintained on file in the LTV Steel purchasing department for a period in excess of three years. Bills of lading are also maintained for each load at the plant Utilities Department for a period in excess of three years. This

Ms. Laura L. Lodisio
April 5, 1991
Page 2

separation of responsibilities may have resulted in some confusion during the USEPA's 1989 inspection. However, LTV Steel's maintenance of all such records complies with the applicable portion of 40 CFR 266.40.

Based on the foregoing, all requirements of 40 CFR Part 266, Subparts D and E were being complied with at the time of the inspection by USEPA. Please contact me at 216/429-6370 if you have any further questions.

Sincerely,

R L Nemeth (LAS)

R. L. Nemeth
Manager
Environmental Control Department

Enclosures

cc: Ohio EPA - NEDO, Twinsburg, OH
Attn: Mr. Gregory Taylor

COMPOSITE OUTGOING FUEL ANALYSES
FOR OFF-SPEC OIL
LTV Steel

September 1988

F.P. = 175°F
Cl_v = ND
Cl_t = 0.2143% ✓

Pb = 108 ppm ✓
Cd = 0.9 ppm ✓
Cr = 11 ppm ✓
As = <1 ppm

December 1988

F.P. = 200°F
Cl_v = ND
Cl_t = 0.2690% ✓

Pb = 151 ppm ✓
Cd = 0.8 ppm ✓
Cr = 10 ppm ✓
As = <1 ppm

March 1989

F.P. = 206°F
Cl_v = ND
Cl_t = 0.2408% ✓

Pb = 96 ppm ✓
Cd = 0.9 ppm ✓
Cr = 12 ppm ✓
As = <1 ppm

July 1989

F.P. = 205°F
Cl_v = .0075% ✓
Cl_t = .4483% ✓

Pb = 84 ppm ✓
Cd = 1.1 ppm ✓
Cr = 17 ppm ✓
As = <1 ppm

F.P. = Flash Point
Cl_v = % Volatile Chlorine
Cl_t = % Total Chlorine



Research Oil Company

**Research Oil Company**

2777 Broadway Avenue

Cleveland, Ohio 44115

Tel. - 216-623-8383

Fax - 216-623-8393

April 5, 1991

Mr. Richard Nemeth
Environmental Superintendent
LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

Dear Mr. Nemeth:

You have asked Research Oil to provide you with the documentation necessary to rebut the presumption that fuel oil supplied to LTV with in excess of 1,000 ppm of halogens is a hazardous waste.

You provided us with composite analyses of the fuel oil shipped from our facility to LTV during September and December, 1988, and March, 1989, of which we have enclosed a copy for reference. Research Oil analyzes the fuel oil it recycles using the microcoulometer according to the procedure enclosed with this letter. We report the results obtained at 200°C-250°C with a helium atmosphere as volatile chlorine and the sum of the chlorine reported above and the chlorine obtained at 1050°C as total chlorine. This procedure was adopted because its ease and speed allows us to test, if we wish, every load of incoming used oil and outgoing fuel oil. Before this procedure was adopted, we compared the results of gas chromatograph analysis of chlorinated solvents in used oils and fuel oils recycled from used oils with the microcoulometer results reported as percent volatile chlorine.

In every case, the oils giving results of 200 ppm volatile chlorine or less on the microcoulometer fail to show any chlorinated solvent at 100 ppm or more on the gas chromatograph. Since we store finished oil samples for only 12 months after shipment, Research Oil does not have retained samples for the period September, 1988 to July, 1989. We did, however, run a new series of tests in the past week comparing current samples of fuel oil with total chlorines in the range of 2,000 to 4,5000 ppm total chlorine and non-detectable and less than 100 ppm volatile chlorine on the microcoulometer with GC scans of the same samples. The samples tested confirmed the correlation between the microcoulometer and the gas chromatograph.

Mr. Richard Nemeth
Page 2
April 5, 1991

We are confident that USEPA will accept the submission of the test protocol enclosed with this letter as a successful rebuttal of the presumption that the fuel oil we shipped to LTV is a hazardous waste because of contamination with spent solvents.

If you have any further questions, please contact Ms. Dietrich West, Lab Manager, or the writer.

Sincerely yours,

RESEARCH OIL COMPANY



Alan Gressel
President

AG:cm

Enclosure

ORGANIC HALIDE ANALYSIS

Organic halogenated compounds are analyzed using a Rosemount Dohrmann microcoulometer (Model MCTS-20 and/or DX-20B). This is a microcoulometric titration system that follows SW846 method 9029.

The samples are first prepared for injection by extraction with toluene. This ensures that no inorganic chloride is detected.

Volatile halogenated compounds can be differentiated from non-volatile halogenated compounds by placement of the boat in the pyrolysis furnace at 200°C - 250°C under a helium rich atmosphere. The halogenated solvents on the F001/F002 list have boiling points <200°C. Therefore, the ions that are titrated from this position are volatile.

Once the volatile has been removed, the boat is moved into the furnace at 1050°C under an oxygen rich atmosphere. This will remove the non-volatile halogenated compounds that have higher boiling points. For instance, chlorinated paraffin (boiling point, 360°C - 400°C) or PCB (boiling point, >800°C).

This can be confirmed by placing a monochlorobenzene standard prepared in iso-octane at the volatile position. Our results prove greater than 90% recovery. A standard of chlorinated paraffin can also be placed in this position to prove that no chlorine will be detected at the lower temperature and greater than 90% recovery is achieved when the sample is placed in the non-volatile position at a higher temperature.

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FOR OFF-SPEC OIL
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Research Oil Company

	<u>CHLORINATED SOLVENT</u>	<u>BOILING POINT (°C)</u>
F001,2	Tetrachloroethylene	121°C
F001,2	Trichloroethylene	86.7°C
F001,2	Methylene Chloride	40.1°C
F001,2	1,1,1-trichloroethane	75°C
F001	Carbon Tetrachloride	76.74°C
F002	Chlorobenzene	131.6°C
F002	1,1,2-Trichloro-1,2,2-trifluoroethane	47.6°C
F002	O-Dichlorobenzene	172°C-179°C
F002	Trichlorofluoromethane	23.7°C
F002	1,1,2-Trichloroethane	113.7°C

From Handbook of Toxic and Hazardous Chemicals and Carcinogens

Non-Volatile Chlorine (like chlorinated paraffin has boiling points between 360°C-400°C)

PCB's have boiling points >800°C

Sue-
What do I do
about ~~fluorinated~~
chlorinated
fluorocarbons?

COMPOSITE OUTGOING FUEL ANALYSES
FOR OFF-SPEC OIL
LTV Steel

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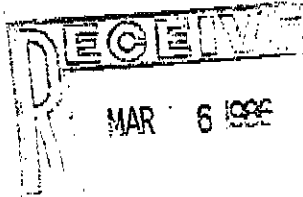
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Cl_v = % Volatile Chlorine
Cl_t = % Total Chlorine



Research Oil Company



March 24, 1986

Mr. Robert A. Vilcheck
Research Oil Company
2655 Transport Road
Cleveland, Ohio 44115

Dear Mr. Vilcheck:

As a part of LTV Steel Company, Inc.'s responsibility under the EPA's new "Burning and Blending" rules, burners must provide marketers with one-time certification that appropriate notice regarding use of used oil and hazardous waste fuels was provided EPA.

The attached copies of notices mailed to the U.S. EPA are provided to meet that requirement and intended as certification that LTV has filed appropriate notice as required.

Please contact Mr. R. P. Muhlhan at (216) 622-4824 should you have any questions regarding this notice.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "R. P. Muhlhan". The signature is fluid and cursive, with a long horizontal stroke at the end.

R. P. Muhlhan
Supervising Buyer
Industrial Gases and Fuel

pjk 1.52

Attachments

LTV Steel Company

bcc: J. L. Bush
H. R. Clegg
L. E. Larson
R. P. Muhlhan
R. L. Nemeth
J. V. Stack
M. A. Suhoza
W. L. West
W. G. Wiley
R. C. Windahl
T. A. Zalenski

January 27, 1986

Certified Mail-Return Receipt Requested

U.S. EPA
Region V
Post Office Box A3587
Chicago, Illinois 60604

Ohio EPA
Post Office Box 1049
Columbus, Ohio 43216-1049

Attn: RCRA Activities

Attn: Division of Solid and Hazardous
Waste Management

Re: LTV Steel Company, Inc.
Cleveland (East) Works
EPA I.D. No. OHD 004218673

Gentlemen:


Pursuant to the requirements of 50 FR 49164 (November 29, 1985), LTV Steel Company, Inc. is hereby filing a subsequent notification of its burning activities under section 3010 of RCRA.

At the above referenced facility, LTV Steel Company, Inc. presently burns hazardous waste fuel (Cadence Product 312) in blast furnace(s) which are "industrial furnace(s)" under the definitions in 40 CFR 260.10. In addition, this facility also burns both specification and off-specification used oil fuels in steel plant combustion facilities which are "industrial boilers" and/or "industrial furnaces" as defined in 40 CFR Part 260.10.

LTV Steel Company, Inc. does not intend to store hazardous waste fuel (Cadence Product 312) prior to burning. Thus, this notification is for the burning of hazardous waste fuel and not a notice, prerequisite for interim status, for storage.

Should you have any questions, please contact Mr. L. A. Szuhay at 216-429-6475.

Very truly yours,


J. M. Farley
Vice President Engineering

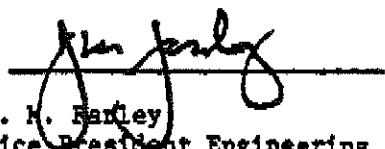
JMF/fb

1554a

LTV STEEL COMPANY • CORPORATE ENVIRONMENTAL CONTROL DEPARTMENT • 3100 EAST 45TH STREET • CLEVELAND OHIO 44127 • TELEPHONE (216) 822-6471

Certification Statement

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.


J. M. Bartley
Vice President Engineering
LTV STEEL Co., Inc.

April 28, 1986
Date

LTV Steel Company

bcc: J. L. Bush
H. R. Clagg
L. E. Larson
R. P. Muhlhan
R. L. Nemeth
J. V. Stack
M. A. Subosa
W. L. West
W. G. Wiley
R. C. Windahl
T. A. Zalenski

January 27, 1986

Certified Mail-Return Receipt Requested

U.S. EPA
Region V
Post Office Box A3587
Chicago, Illinois 60604

Ohio EPA
Post Office Box 1049
Columbus, Ohio 43216-1049

Attn: RCRA Activities

Attn: Division of Solid and Hazardous
Waste Management

Re: LTV Steel Company, Inc.
Cleveland (West) Works
EPA I.D. No. OHD 046203774

Gentlemen:

Pursuant to the requirements of 50 FR 49164 (November 29, 1985), LTV Steel Company, Inc. is hereby filing a subsequent notification of its burning activities under section 3010 of RCRA.

At the above referenced facility, LTV Steel Company, Inc. presently burns hazardous waste fuel (Cadence Product 312) in blast furnace(s) which are "industrial furnace(s)" under the definitions in 40 CFR 260.10. In addition, this facility also burns both specification and off-specification used oil fuels in steel plant combustion facilities which are "industrial boilers" and/or "industrial furnaces" as defined in 40 CFR Part 260.10.

LTV Steel Company, Inc. does not intend to store hazardous waste fuel (Cadence Product 312) prior to burning. Thus, this notification is for the burning of hazardous waste fuel and not a notice, prerequisite for interim status, for storage.

Should you have any questions, please contact Mr. L. A. Szuhay at 216-429-6475.

Very truly yours,

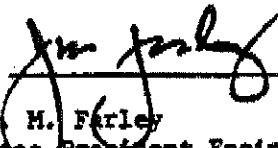

J. M. Farley
Vice President Engineering

JMF/fh

1555a

Certification Statement

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.


J. M. Farley
Vice President Engineering
LTV STEEL Co., Inc.

Jan 28, 1986
Date



State of Ohio Environmental Protection Agency

Northeast District Office

21 Aurora Road
Twinsburg, Ohio 44087-1969
(216) 53-1200 (216) 425-9171
FAX (216) 487-0769

George V. Voinovich
Governor

February 20, 1991

RE: LTV STEEL CO.
CLEVELAND EAST FACILITY
CUYAHOGA COUNTY
OHD #004 218 673
#02-18-0186
G/TSD

CERTIFIED MAIL

Mr. R.L. Nemeth
Superintendent Environmental Control
LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

RECEIVED
OHIO EPA

FEB 21 1991

DIV. of SOLID & HAZ. WASTE MGT.

Dear Mr. Nemeth:

The purpose of this letter is to summarize the results of my recent RCRA inspection of your facility which occurred on January 31 and February 1, 1991. This inspection was conducted in order to determine your facility's compliance with state hazardous waste rules and regulations. LTV Steel was represented by yourself, Stan Rihtar, Tom Girdler, Ron Knapik and Tom Harlan. The Ohio EPA was represented by Marlene Emanuelson, Linda Lagunzad and myself.

This facility is presently producing the following waste streams all of which are being stored on site for less than 90 days:

D008	BOF Dust
K062	Spent Pickle Liquor
F001	Degreasing Solvent - Tetrachlorethylene
D001, D018, D039	Degreasing Solvent

At the present time the 60" electroplate line storage tanks and the electric repair shop degreaser sludge container are undergoing closure. The 84" pickle line tanks have recently received closure certification.

The following violations were noted during the inspection:

1. rule 3745-65-13(B)(2) & (6) of the OAC, because LTV Steel failed to indicate in the waste analysis plan the correct test method for characterization of its waste in order to comply with 3745-59-09 of the OAC dealing with land disposal prohibitions and restrictions.

The test method indicated in the waste analysis plan was the EP-toxicity test, this should be replaced with the TCLP test.



Mr. R.L. Nemeth
February 20, 1991
Page -3-

For the listed waste requirements:

1. the CFR section(s) and the paragraphs where the treatment standards appear;
2. the treatability group(s) of the waste.

For the characteristic waste requirements:

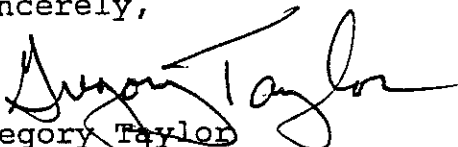
1. the subcategory of the waste;
2. the applicable five-letter treatment code found in Table 1 of 40 CFR 268.42.

Please address each of the above violations and submit related written or photographic documentation within 30 days of receipt of this letter.

A copy of this inspection report is being forwarded directly to U.S. EPA - Region V for appropriate follow-up.

If you have any questions concerning the requests or violations cited in this letter, please feel free to contact me at 425-9171.

Sincerely,


Gregory Taylor
Environmental Scientist
Division of Solid and Hazardous Waste
Management

GT/fn

cc: Laurie Stevenson, DSHWM, CO
Paul Anderson, DSHWM, NEDO

FEB 00 1992

HRE-8J

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Richard Nemeth
Environmental Superintendent
LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

Re: Second Notice of Violation
EPA ID No: OHD 004 218 673

Dear Mr. Nemeth:

On March 8, 1991, the United States Environmental Protection Agency (U.S. EPA) issued LTV Steel Company a Notice of Violation (NOV) which identified two violations of 40 CFR Part 266. On April 9, 1991, U.S. EPA received your response to that NOV. U.S. EPA has reviewed your response and determined that it is deficient.

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You are required to submit a response in writing to this office no later than 15 days after receipt of this letter documenting the action taken to comply with the above requirements. Failure to comply within the specified time may result in additional Federal enforcement actions.

If you have questions and/or concerns regarding this matter, please contact Jennifer Wolf of my staff at (312) 886-4447.

Sincerely yours,

ORIGINAL SIGNED BY
JOSEPH M. BOYLE

Joseph M. Boyle, Chief
RCRA Enforcement Branch

cc: Mike Savage, OEPA

| AUTHOR'S FILE COPY |

FY 1989 HAZARDOUS WASTE COMPLIANCE MONITORING AND ENFORCEMENT LOG ver 10/88

1. EPA ID: OH 004 218 673

2. HANDLER: LTV STEEL CO.

3. ADDRESS: 3100 E. 45th St. Cleveland, OH 44127

5. Date of initial evaluation which is the basis for this report:

8/128/89

5a. Agency responsible for evaluation:

E = EPA S = State C = Contractor/EPA
O = Other B = Contractor/State
X = Oversight

NEW

UPDATE

6. Type of Evaluation Covered in this Report:

- 1 = CIE (Compliance Eval. Inspection)
- 2 = Sampling Inspection
- 3 = Record Review
- 4 = CMI (Comprehensive GWM Eval.)
- 5 = Compliance Schedule Evaluation
- 6 = Citizen Complaint
- 7 = Part B Call-in Inspection
- 8 = Part A Withdrawal Inspection
- 9 = Closed Facility/Units Inspection
- 10 = Other General Inspection
- 11 = Case Development Inspection
- 12 = O&M Inspection
- 13 = CA Oversight Inspection

Facility Inspected As: S/T
LDF Trans GEN SQG NR
WAF

Facility Filed As: S/T LDF
Trans GEN SQG NR

7. Date of evaluation covered by this report

8/128/89 (if different from #5 above)

7a. Eval Comment:

8. CLASS AND VIOLATIONS:

Key:

- X = Violations, no specialties
- E = Violations and specialty
- S = Same violation or specialty
- Z = Pending determination
- O = No violation or specialty found

SPECIALTIES:

- I = No insurance only
- C = CA Schedule Violation
- H = High Priority Violation
- * = Class I only

9. VIOLATIONS AND RELEASES

GWM	C/PC	FIN	PT B	CMPL	MAN	OTH	LEAN	class
						X		one
								class
								two
X	X	X	X	X	X	X	X	
S	S	S	S	S	S	S	S	
Z	Z	Z	Z	Z	Z	Z	Z	
O	O	O	O	O	O	O	O	
H	H	H	H	H	H	H	H	
		I*		C				
		B*		B				

8a. Viol. Comment:

8. ENFORCEMENT ACTIONS:

RESP AGENCY: E = USEPA
S = STATE
X = OVERSIGHT

CLASS	AREA OF VIOL	ACTION TYPE	DATE OF ACTION	COMPL SCHED	COMPL ACTUAL	PENALTY ASSESSED	PENALTY COLLECTED	RESP AGENCY
I	Other	03	3/8/91	4/8/91				E

Codes for Types of Enforcement Actions:

- 01 = Interim Status Compliance Letter
- 02 = 3007 Information Request
- 03 = Warning Letter
- 04 = Informal Complaint
- 05 = Final Administrative Order
- 06 = 3013 Admin Order (initial) /State equiv.
- 07 = 3013 Admin Order (final) /State equiv.

- 08 = 7003 Admin Order / State equiv.
- 10 = Informal Action
- 11 = Filed Civil Action
- 12 = Filed Criminal Action
- 13 = NOV to State (Viol ref'd for St action)
- 14 = NOV to EPA (Viol ref'd for EPA action)
- 15 = CA Initial Administrative Order
- 16 = CA Final Administrative Order

- 17 = CERCLA 106 Admin Order (IIPA)
- 18 = Civil Referral to St AG / USDOJ
- 19 = Final Judicial Order
- 20 = CERCLA 106 fund financed activity
- 21 = Notice of Non-compliance
- 22 = Fed. Facility Compliance Agreement
- 23 = Fed Facility Referral to USEPA HQ
- 25 = Insp. referred to USEPA (land ban)



State of Ohio Environmental Protection Agency

Northeast District Office

10 E. Aurora Road
Twinsburg, Ohio 44087-1969
(216) 425-9171



extra copy

Richard F. Celeste
Governor

January 19, 1989

RE: LTV STEEL COMPANY
CLEVELAND WEST FACILITY
CUYAHOGA COUNTY
OHD #046-203-774
#02-18-09-0391
G-TSDF

R. L. Nemeth
Superintendent Environmental Control
LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

Dear Mr. Nemeth:

Thank you for your submission of June 17 and August 30, 1988. The documentation which we received shows that the violations found during the inspection on April 28, 1988, have been corrected.

If you have any questions feel free to call me at 425-9171.

Sincerely,

Greg Taylor
Environmental Scientist
Division of Solid and Hazardous Waste
Management

GT/sp

cc: Dave Sholtis, DSHWM, Central Office
Debby Berg, DSHWM, NEDO

CMC

5HR-12

AUG 17 1988

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. R.L. Nemeth
Superintendent Environmental Control
LTV Steel Cleveland East
3100 East 45th Street
Cleveland, Ohio 44127

Re: LTV Steel Cleveland East
OHD 004 218 678

Dear Mr. Nemeth:

On April 28, 1988, the Ohio Environmental Protection Agency conducted a hazardous waste compliance inspection at your facility. Part of that inspection included a Land Ban Restriction Inspection.

This letter serves to inform you that the United States Environmental Protection Agency finds you to be in compliance with all applicable Land Ban Restriction Regulations of 40 CFR Part 268. Should you have any questions concerning the above, please contact Catherine McCord at (312) 886-4446.

Sincerely yours,

Sally K. Swanson, Acting Chief
RCRA Enforcement Branch

cc: Michael Savage, OEPA-CO
Greg Taylor, OEPA-NEDO

5HR-12-KOGL:fharris:6-1478:7/27/88 NOCLTVCL

TYP.	AUTH.	TECH. SEC.	TECH. SEC.	TECH. SEC.	ENF. PROG. SECTION	ENF. PROG. SECTION	RCRA ENF. BR. CHIEF	O.D. A.D.D.	Dir
MIT. ATE	8/3/88						7/5 8-16-88		

In lieu of yellow tissue

RCRA CONCURRENCE SHEET

SUBJECT: Letter of Compliance - LTV Steel Cleveland East

Mr. R.L. Nemeth

CONCURRENCES ON DRAFT

	<u>INITIALS</u>	<u>DATE</u>
TYPIST/SECRETARY	<u>JH</u>	<u>7/27/88</u>
PREPARER	<u>CO</u>	<u>7/29/88</u>
CHIEF, OH/MN TES	<u>JB</u>	<u>8-2-88</u>
CHIEF, MI/WI TES		
CHIEF, IL/IN TES		
CHIEF, IL/MI/WI EPS		
CHIEF, IN/MN/OH EPS		
OTHERS	<u>cm</u>	<u>7/29/88</u>

APPROVAL

TYPIST/SECRETARY	<u>JH</u>	<u>8/3/88</u>
PREPARER	<u>CO</u>	<u>8/8/88</u>
CHIEF, OH/MN TES	<u>W.F.N. for J.B.</u>	<u>8-10-88</u>
CHIEF, MI/WI TES		
CHIEF, IL/IN TES		
CHIEF, IL/MI/WI EPS		
CHIEF, IN/MN/OH EPS		
REB SECRETARY		
CHIEF, REB	<u>JB</u>	<u>8-16-88</u>
CHIEF, SWB		
OFFICE OF RCRA A.D.D.		
WMD DIRECTOR		
OTHERS		



State of Ohio Environmental Protection Agency

theast District Office

J.E. Aurora Road
Twinsburg, Ohio 44087-1969
(216) 425-9171

CE = US-15,112



Richard F. Celeste
Governor

May 16, 1988

RE: **LTV STEEL EAST**
CUYAHOGA COUNTY
OHD 004-218-673
#02-18-0186

CERTIFIED MAIL

RECEIVED

JUL 13 1988

OFFICE OF RCRA
Waste Management Division
U.S. EPA, REGION V

LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

Attn: R. L. Nemeth
Superintendent Environmental Control

Dear Mr. Nemeth:

On April 28, 1988, Kris Coder, Teresa Sabol and myself conducted a hazardous waste inspection of the LTV Steel Company, Cleveland East Facility, located at 3100 East 45th Street, Cleveland. You, Tom Harlan, Stan Rihtar and Dave Habeger represented the facility during the inspection. The facility was inspected for compliance with both Ohio and Federal Hazardous Waste Regulations.

During the inspection the following violations were noted:

1. The facility must see to it that the personnel in the #2 BOF area receive training in hazardous waste management procedures and that this training is documented as required by 40 CFR 265.16 and OAC 3745-65-16.
2. The facility must provide documentation of the hazardous waste training of upper management and supervisory personnel as required by 40 CFR 265.16 and 3745-65-16.
3. The facility must document inspections of the #2 BOF area and it must conduct remediation of the #2 BOF area as required by 40 CFR 265.15 and OAC 3745-65-15.

Please address the above violations and submit related documentation to demonstrate that your facility has returned to compliance within 30 days of receipt of this letter.

Please note that your facility's compliance with applicable closure and financial responsibility rules was not undertaken as a part of this inspection. Comments on these matters may be forthcoming at a later date.



State of Ohio Environmental Protection Agency

Northeast District Office
2110 E. Aurora Road
T: burg, Ohio 44087-1969
(425-9171

Richard F. Celeste
Governor

June 4, 1987

RE: LTV STEEL CO
CLEVELAND EAST FACILITY
CUYAHOGA COUNTY
OHD 004-218-673
#02-18-0186
G-T-TSDF

LTV Steel Company
3100 East 45th Street
Cleveland, Ohio 44127

Attn: R. L. Nemeth,
Superintendent Environmental Control

Dear Mr. Nemeth:

On May 28, 1987, I conducted a hazardous waste inspection of the LTV Steel Company, Cleveland East Facility, located at 3100 East 45th Street, Cleveland. You, Tom Girdler, Stan Rihtar, Tom Harlan and Dave Habeger represented the facility during the inspection. The facility was inspected for compliance with both Ohio and Federal Hazardous Waste Regulations.

During the inspection the following violations were noted:

1. The facility must begin to use the most current, up-to-date Uniform Hazardous Waste Manifest as required and published in the Federal Register/Volume 51, No. 190, Wednesday, October 1, 1986, Title 40 CFR Part 262 (Amended).
2. The facility must amend the waste analysis plan to include the test method(s) according to SW-846 for all hazardous waste streams generated by the facility as required by 40 CFR 265.13(b) and OAC 3745-65-13.

Please within 30 days of receipt of this letter, document to my attention corrections to the above referenced violations.

Please note that the Lan Ban Restriction Generator Checklist, completed as part of this inspection, is being forwarded to the U.S. EPA, Region V for appropriate follow-up.

Yours truly,

Kris L. Coder
Environmental Scientist
Division of Solid and Hazardous Waste
Management

KLC/sp

Enclosure

cc: Mike Savage, DSHWM, Central Office

→ Compliance
File
cm



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

230 SOUTH DEARBORN ST.

CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF:

29 OCT 1986

MEMORANDUM

SUBJECT: LTV Corporation Bankruptcy

FROM: Jane M. Lupton *Jane M. Lupton*
Assistant Regional Counsel

TO: John Wheeler (LE-134S)
Office of Enforcement and Compliance Monitoring

During our October 16, 1986 conference call, I informed you and Anne Allen that Region V was compiling information regarding LTV Corporation's (and its subsidiaries') compliance with RCRA. Anne had specifically requested information about compliance with RCRA's financial requirements for Region V treatment, storage and disposal (TSD) facilities affected by the bankruptcy.

There are four LTV TSD facilities in Region V that are not in compliance. The Republic Steel Corporation facility located in Gary, Indiana (IND005444005) does not have liability insurance coverage for either sudden or nonsudden accidental occurrences and has not established financial assurance for closure. Three facilities in Ohio (Republic Steel, Mahoning Valley (OHD060409521) in Warren, LTV Steel (OHD004228003) in Canton, and Republic Steel Corp. (OHD004218673) in Cleveland) had liability insurance coverage that expired in March 1986. The Ohio Environmental Protection Agency has not been notified that coverage was extended after that time. These three facilities have a "performance bond" in place to satisfy RCRA's closure/post-closure financial assurance requirements. They have not yet performed the required annual adjustment for 1986, which was due earlier this year.

I will notify you once I receive further information about these facilities. Please call me at FTS 886-6830 if you have any questions.

cc: William Munro

LTV Steel Company



September 2, 1986

CERTIFIED MAIL

U.S. Environmental Protection Agency
Region V
230 South Dearborn
Chicago, IL 60604

RECEIVED
SEP 11 1986

Attention: Regional Administrator

Re: LTV Steel Company, Inc.
Cleveland Works East
OHD 004 218 673

REGIONAL OFFICE
U.S. ENVIRONMENTAL AGENCY

Dear Sir/Madam:

Please be advised that on July 17, 1986, The LTV Corporation and numerous of its subsidiaries, including LTV Steel Company, Inc., filed petitions for reorganization under Chapter 11 of the Bankruptcy Code in the United States Bankruptcy Court for the Southern District of New York. The Chapter 11 proceedings have been assigned case numbers 86 B 11270 through 86 B 11334 inclusive and have been referred to the Honorable Burton R. Lifland, United States Bankruptcy Judge.

This notification is being made pursuant to 40 CFR §264.18 and/or §265.148 and/or analogous State requirements. LTV Steel Company's withdrawal of the Part A application for this facility is pending and the bond has not yet been returned.

Sincerely,

L. A. Szuhay
Manager-Solid and Hazardous Waste
Environmental Control

LAS/fh

cc: Ohio EPA

2269a

RCRA ENFORCEMENT ACTION SIGN-OFF

PART I. BACKGROUND

FACILITY NAME Republic Steel Cleveland District
 FACILITY LOCATION Cleveland, Ohio
 RCRA ID NUMBER OHD 004218673
 NATURE OF VIOLATION Late Notification

PART II. RECOMMENDATION

NAME & DATE OF STATE CONTACT NOTIFIED _____

ANY OTHER OUTSTANDING ENFORCEMENT ACTIONS AGAINST THIS FACILITY:

WATER- _____

AIR _____

OTHER _____

PART III. CONCURRENCES

	INITIALS	DATE	AGREE	DISAGREE
PREPARER TECHNICAL	GRPA	(6/21)	(✓)	()
LEGAL		()	()	()
CHIEF, STATE TECHNICAL UNIT	HC	6/21	(✓)	()
CHIEF, TP&C SECTION	Wester	6/21	(X)	()
CHIEF, WASTE MANAGEMENT BRANCH	KJK	6/21/82	(✓)	()

PART IV. APPROVAL

DIRECTOR, WASTE MANAGEMENT DIVISION [Signature] APPROVES (✓) DISAPPROVES ()

cc: Section Inspection Log
 ORC



State Of Ohio Environmental Protection Agency

P.O. Box 1049, 361 East Broad St., Columbus, Ohio 43216-1049
(614) 466-8565



Richard F. Celeste, Governor

September 9, 1986

L.A. Szuhay
LTV Steel Company
Corporate Environmental Control Dept.
3100 E. 45th Street
Cleveland, Ohio 44127

Dear Mr. Szuhay:

Ohio EPA has completed review of documents from LTV Steel concerning recycling of Tar Decanter Sludge (K087) by the proposed AKJ process at the Warren Works. According to information provided by LTV Steel, this system involves: (1) emptying of dumpster containers of K087 and transfer to the AKJ process area; (2) addition of a diluent and steam; and (3) reintroduction of the combined material to the Tar Decanter. LTV described the AKJ process in a letter of May 5, 1986, and in two subsequent letters in response to Ohio EPA requests. LTV requested review by Ohio EPA in regard to two points: (1) compliance with hazardous waste recycling rules and regulations recently effective in Ohio; and (2) compliance with the spirit and letter of RCRA and USEPA's waste minimization regulations.

Regarding the first compliance issue, Ohio EPA specifically asked LTV to discuss compliance with recycling regulations in 40 CFR 261.2(e)(1)(iii) and OAC 3745-51-02(E)(1)(c) and also the discussion of "Distinguishing Sham Situations" found on page 638 of the January 4, 1985, Federal Register. Ohio EPA has considered this discussion to be appropriate for determinations of non-regulated activity and legitimate recycling. LTV provided responses through letters to me dated June 16 and July 14.

Based on the statements provided to Ohio EPA, we conclude that the recycling activity proposed by LTV Steel would be in compliance with OAC 3745-51-02(E)(1)(c). We also conclude that the recycled material would not be considered a waste while in this recycling system, provided that the conditions of "Distinguishing Sham Situations" of the January 4, 1985, Federal Register continue to be met. Also, LTV must comply with 40 CFR 261.1(b)(8) and OAC 3745-51(B)(8) concerning speculative accumulation. At the present time it appears that speculative accumulation by LTV is unlikely, since return of the tar decanter sludge through the AKJ process is proposed to occur on a daily basis.

OHIO 004 218 673
RECEIVED
OCT 06 1986
SOLID WASTE BRANCH
U.S. EPA. REGION V



Republic Steel Corporation
Cleveland District
3100 East 45th Street
Cleveland OH 44127

July 20, 1983

040004218673 GTTSD PA

U.S. Environmental Protection Agency
Region V
RCRA Activities
P.O. Box 7861
Chicago, Illinois 60680

Dear Sir or Madam:

Subject: SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN
REVISIONS

Enclosed, please find revisions to the Republic Steel Corporation,
Cleveland District's S.P.C.C. Plan involving the following section:

Spill Alert Plan - Pages 28, 29, 30 and 31

Please substitute these pages in your copy of the S.P.C.C. Plan
book.

Should you require any additional information, please contact the
undersigned at (216) 622-6371.

Sincerely,

S. Rihtar
Regulations Supervisor
Environmental Control Department

SR:db

Enclosures

cc: File 0.55.0-165.00

RECEIVED
JUL 25 1983
WASTE MANAGEMENT
BRANCH

RECEIVED
8/12/83

SPILL ALERT PLAN

General

All personnel will be instructed on the problems and penalties that exist when a harmful substance is released to the environment (which includes air, water or soil) or a publicly owned sewage treatment plant or oil to a storm sewer, river, or sanitary sewer going to a publicly owned sewage treatment plant. Specific training instructions will be developed for supervisors responsible for the proper procedure for spill notification and cleanup to ensure prompt and correct action. The Environmental Control Department will be responsible for ordering, storing and maintaining the proper types of spill recovery equipment and material, and that adequate amounts of spill recovery materials are available to all areas.

Observation of Potential Spill

In an area where there is potential for release of a harmful substance or oil into the environment or sanitary sewer, personnel on each shift will be instructed as to what action must be taken when a spill occurs. All corrective action must be taken immediately.

Action by Department and Foreman

Immediately upon observation or notification of a harmful substance or oil being spilled, the foreman will investigate the condition.

- (1) If the harmful substance or oil is contained within the work place and there is no chance of release into the environment, the supervisor will notify the appropriate department and have the spill cleaned up. He will also discuss with the superintendent concerned, the steps necessary to prevent a recurrence.
- (2) If there is the slightest chance that the harmful substance or oil may be released into the environment or sanitary sewer, the foreman of the department will take immediate steps to contain the substance with whatever materials, manpower and equipment are on hand, and immediately report the spill in accordance with the reporting chart on Page 32.

The superintendent of the responsible department will conduct an investigation into the causes for the spill. The investigation will include recommendations for prevention of recurrence and a subsequent timetable of implementation.

Action by Maintenance Department

It will be the responsibility of the Environmental Control Department to immediately go to the spill area and confirm that the necessary steps are being taken to restrict the release into the environment or sanitary sewers. Environmental Control will also be responsible to see that the necessary steps are being taken by the Maintenance Department to collect the spilled substance at the point of spillage.

The cleanup crew will remain at the spill area until the Environmental Control Department concludes that the cleanup operation is completed or until the supervisor and the crew are relieved by the succeeding shifts.

This section must be completed immediately:

The department superintendent will determine the area of contamination. He will note the time of the call and determine the type and volume of the spill and the probability of release into the environment or a publicly owned sewage treatment plant. He will immediately notify the Environmental Control Superintendent and the District Manager's Office.

Action by Reporter Group

It is imperative that the National Response Center be notified if oil has reached the public waters or if a hazardous substance has reached the environment in a reportable amount. If the spill is into a sanitary sewer, the N.E.O. Regional Sewer District shall be notified immediately.

Environmental Control supervision will notify, by phone, the appropriate governmental agencies:

- (a) National Response Center - 1-800-424-8802
- (b) Ohio E.P.A. - 1-800-282-9378
- (c) Coast Guard - (216) 522-4404
- *(d) Northeast Ohio Regional Sewer District - (216) 641-3200

The information needed for this report includes the following:

- (a) Type of material spilled
- (b) Point of entry to the environment
- (c) Estimated volume of material which entered the environment
- (d) Source
- (e) Cause
- (f) Duration
- (g) Injuries or property damage
- (h) Other relevant circumstances
- (i) Corrective actions taken

In addition, the District Manager's Office should be notified - (216) 622-6006.

No later than one week after the spill, the incident report will be confirmed in writing to appropriate agencies. In addition, it is necessary to report permanent measures being taken to prevent recurrences of the spill. The permanent measures shall be worked out with the Engineering Department and a record of it shall be incorporated in this report.

*If the spill is into a sanitary sewer, the N.E.O. Regional Sewer District ONLY will be called. If the spill goes into the storm sewers leading to public waterways, all other agencies will be called and NOT the N.E.O. Regional Sewer District.

Interoffice Correspondence

CLEVELAND DISTRICT

District-Division-Subsidiary

ENGINEERING

Office

Date:

2 MAY '83

0HD0042184-73 PA, G, TRS, TSD, PAS, RECEIVED

MAY - 6 1983

Name:

E.P.A. - CHICAGO

WA

ANCH

Title:

Ena, Havel V

Our records indicate that you are assigned SPILL PREVENTION CONTROL AND COUNTERMEASURE book number **36**.

Original book and revisions were sent to:

SAME

Please substitute the following revised data in your assigned book:

DATA SHEET	MAP NO.
Area 1 - Steel Plant	M-1096-B
Area 4 - Coke Plant No. 1 (3 Sheets)	M-1099-B
Area 5 - Shops	M-1102-B
Area 6 - Car Repair Yard	M-1098-B
Area 8 - Blast Furnace 5 and 6	M-1097-B
Area 9 - Strip Mill (2 Sheets)	M-1100-B1,2,3

By

D. E. HILFER
Civil Project Engineer

DFH/KMA
D. F. HAVEL
Area Engineer
Cleveland District

Enclosure

cc: File

RECEIVED

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

GENERAL INFORMATION

Republic Steel Corporation
Cleveland District
Cuyahoga County
State of Ohio

Mail Address:
Republic Steel Corporation
P.O. Box 6778
Cleveland, Ohio 44101

Persons Responsible:

		<u>Plant Phone</u>
J. F. Carter	General Superintendent	622-6006
R. L. Nemeth	Environmental Control Superintendent	622-6370
S. Rihtar	Regulations Supervisor	622-6396

SPILL RECORD

Refer to Appendix G for recent spill history.

PREDICTION OF POTENTIAL SPILLS

The nearest navigable waterway is the Cuyahoga River.

The possible spill sources are indicated on the attached sheets.

SPILL PREVENTION PLAN CHECKLIST

- 1) Secondary containment and/or diversionary structures used for possible spill sources are indicated on the attached sheets. Drawings of the new containments are also attached.
- 3A) The existing dike storage areas have no facilities for drainage.
- 3B) All bulk storage tanks, above ground, will have a secondary containment greater than the largest single tank capacity plus an allowance for rain water.

2.4 Name of Plant Republic Steel Corporation - Cleveland District
Type of Plant Iron and Steel Manufacturing
Location of Plant 3100 East 45th Street
Name and Address of Owner
Name Republic Steel Corporation
Address Republic Building
Cleveland
Ohio

Designated person in charge of facility

Name J. P. Charles, District Manager

Designated person responsible for oil spill prevention

Name R. L. Nemeth, Superintendent, Environmental Control

2.5 Management Approval

This SPCC Plan will be implemented as herein described

Signature J. P. Charles

Name J. P. Charles

Title District Manager

2.6 Registered Engineers Certification

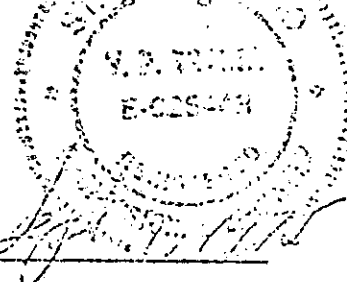
I hereby certify that I have examined the facility and being familiar with the provisions of Title 40 CFR, Part 112 attest that this SPCC plan has been prepared in accordance with good engineering practices.

V. P. Traina
Name of Registered Professional Engineer

[Signature]
Signature of Registered Professional Engineer

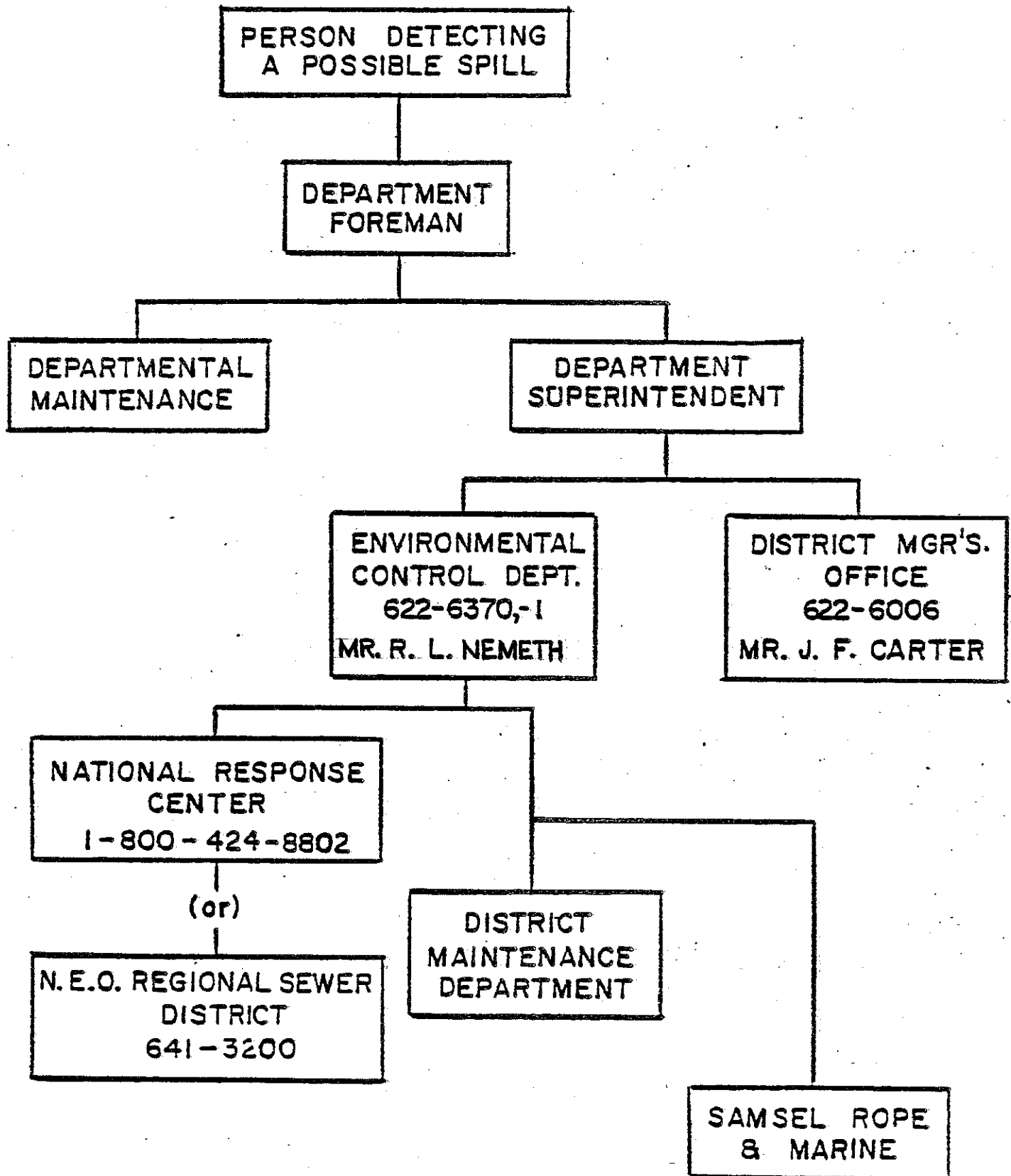
Registration No. E-026443 State Ohio

R. E. Warner & Associates
Consulting Engineers



Date 10/17/83

REPORTING OF AN ACCIDENTAL SPILL



APPENDIX G

NAME OF PLANT: Republic Steel Corporation (Cleveland District)

CHARGEABLE SPILLS HISTORY

Page 1 of 2

MEP CASE NO.	DATE	POLLUTANT DISCHARGED	AMOUNT DISCHARGED	CAUSE	SOURCE/DEPT.
1103-78	27 FEB 78	Waste Oil	100 Gals.	Pump Failure	F110/Env. Control
1403-78	19 AUG 78	Bunker "C"	20-30 Gals.	Fuel Injection Lance	F050/#6 Blst. Fce.
1480-78	05 OCT 78	Waste Oil	1000 Gals.	Power Failure	F090/#1 Coke Plant
1513-78	05 DEC 78	Waste Oil	3 Gals.	Unknown	F030/98" Cold Mill
1616-78	08 NOV 78	Waste Oil	150 Gals.	Pump Stn. Failure	F090/#1 Coke Plant
1530-78	07 DEC 78	Oil	35 Gals.	Unknown	F090/#1 Coke Plant
1531-78	21 DEC 78	Waste Oil	2 Gals.	Unknown	F030/98" Cold Mill
1021-79	22 JAN 79	Wash Oil	125 Gals.	Unknown	F090/#1 Coke Plant
1022-79	20 JAN 79	Oil	5 Gals.	Unknown	F090/#1 Coke Plant
1051-79	05 JAN 79	Oil	2 Gals.	Unknown	F030/98" Cold Mill
1054-79	08 MAR 79	#6 Fuel Oil	20 Gals.	Fuel Injection Lance	F150/#1 Blst. Fce.
1126-79	01 APR 79	#6 Fuel Oil	20 Gals.	Pipeline Leak	Fuel Dock/Combstn.
1130-79	29 APR 79	#6 Fuel Oil	300 Gals.	Broken Line	F150/#1 Blst. Fce.
1254-79	11 MAY 79	Coating Oil	10 Gals.	Pump Failure	F040/98" Cold Mill
1299-79	22 SEP 79	Waste Oil	5 Gals.	Unknown	F030/98" Cold Mill
1301-79	28 JUN 79	Hydraulic Oil	20 Gals.	Faulty Valve	F040/Env. Control
1334-79	26 APR 79	Oil	200 Gals.	Quench Pit Sump	F090/#1 Coke Plant
1427-79	09 OCT 79	Hydraulic Oil	20 Gals.	Unknown	F150/#1-4 Blst. Fce.
1080-80	12 FEB 80	Oil	30 Gals.	Unknown	F090/#1 Coke Plant
1107-80	18 MAR 80	Oil	10 Gals.	Unknown	F030/98" Cold Mill
1111-80	11 MAY 80	Tar	4 Gals.	Tank Explosion	F090/#1 Coke Plant
1157-80	22 MAY 80	Wash Oil	500 Gals.	Unsealed Sewer	F090/#1 Coke Plant
1198-80	03 JUN 80	Oil	20 Gals.	Coke Gas Drips	F020/Combstn.
1259-80	19 SEP 80	Lube Oil	30 Gals.	Open Line	F090/East Side Stm.
1291-80	08 SEP 80	Waste Oil	400 Gals.	Improper Disposal	F150/River Terminal
1277-80	14 AUG 80	Waste Oil	400 Gals.	Loose Plug in Sump	F090/#1 Coke Plant
1315-80	28 SEP 80	Gear Oil	5 Gals.	Ruptured Pipeline	F100/45" Mill
1038-81	06 JAN 81	Oil	230 Gals.	Ruptured Water Pipe	F030/98" Cold Mill
1169-81	10 JUL 81	No. 6 Oil	15 Gals.	Floor Drain Buckled Due to Heat	F150/#1 Blst. Fce.
1168-81	16 JUN 81	Oil	1 Gal.	Unknown	F020
1074-81	05 MAY 81	No. 6 Fuel Oil	5 Gals.	Unknown	F150/#1 Blst. Fce.
REVISED: 2/15/83					

APPENDIX G

NAME OF PLANT: Republic Steel Corporation (Cleveland District)

CHARGEABLE SPILLS HISTORY

Page 2 of 2

MEP SE NO.	DATE	POLLUTANT DISCHARGED	AMOUNT DISCHARGED	CAUSE	SOURCE/DEPT.
1019-81	25 FEB 81	Coke Oil	45 Gals.	Coke Gas Drips	Morgana/#1 Coke Plant
1180-81	27 MAY 81	Oil	30 Gals.	Unknown	F030/98" Cold Mill
1178-81	30 JUN 81	Waste Oil	7 Gals.	Sewer Repair	F020
1179-81	10 SEP 81	Oil	Sheen	Sewer Line Repair	F150/#1 Blst. Fce.
1174-81	23 SEP 81	Tar	Sheen	Blockage and Overflow	F090/#1 Coke Plant
1184-81	11 NOV 81	No. 6 Fuel Oil	5 Gals.	Oil Injection Lance	F150/#1 Blst. Fce.

REVISED: 2/15/83

Republicsteel

RECEIVED

DEC 13 1982

WASTE MANAGEMENT BRANCH
EPA, REGION V

Republic Steel Corporation
Cleveland District
3100 East 45th Street
Cleveland OH 44127

December 7, 1982

U.S. Environmental Protection Agency
Region V
RCRA Activities
P.O. Box 7861
Chicago, Illinois 60680

OH 004 218 673 PTA CENTRS TSD 1

Dear Sir or Madam:

Subject: SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN
REVISIONS

Enclosed, please find revisions to the Republic Steel Corporation,
Cleveland District's S.P.C.C. Plan, involving the following
section:

Spill Alert Plan; Pages 28, 29, 30, 31 and 32.

Please substitute these pages in your copy of the S.P.C.C. Plan
book.

Should you require any additional information, please contact the
undersigned at (216) 622-6371.

Very truly yours,



S. Rihtar
Regulations Supervisor
Environmental Control Department

SR:db

Enclosures

cc & encs: E.P.A. - Twinsburg
Northeast Ohio Regional Sewer District
File: 0.55.0-165.00

RECEIVED
12/13/82

SPILL ALERT PLAN

General

All personnel will be instructed on the problems and penalties that exist when a harmful substance is allowed to be deposited in any sewer that will pollute public waters or a publicly owned sewage treatment plant. Specific training instructions will be developed for supervisors responsible for the proper procedure for spill notification and cleanup to ensure prompt and correct action. The Environmental Control Department will be responsible for ordering, storing and maintaining the proper types of spill recovery equipment and material and that adequate amounts of spill recovery materials are available to all areas.

Observation of Potential Spill

In an area where there is potential for discharge of a harmful substance into a storm or sanitary sewer, personnel on each shift will be instructed as to what action must be taken when a spill occurs. All corrective action must be taken immediately.

Action by Department and Foreman

Immediately upon observation or notification of a harmful substance being spilled, the foreman will investigate the condition.

- (1) If the harmful substance is contained in a small area and there is no chance of it reaching a sewer, the supervisor will call the appropriate department and have the spill cleaned up. He will also discuss with the superintendent concerned, the steps necessary to prevent a recurrence.
- (2) If there is the slightest chance that the harmful substance may be discharged to a storm or sanitary sewer, the foreman of the department will take immediate steps to contain the substance with whatever materials, manpower, and equipment are on hand and report the spill in accordance with the reporting chart on Page 32.

The superintendent of the responsible department will conduct an investigation into the causes for the discharge. The investigation will include recommendations for prevention of recurrence and a subsequent timetable of implementation.

Action by Maintenance Department

It will be the responsibility of the Environmental Control Department to immediately go to the spill area and make certain that the necessary steps are being taken to restrict the amount of the spill going to the sewers. Environmental Control will also be responsible to see that the necessary steps are being taken to collect the spilled substance at the point of spillage.

The cleanup crew will remain at the spill area until the Environmental Control Department concludes that the cleanup operation is completed or until the supervisor and the crew is relieved by the succeeding shifts.

As noted in the paragraph below, it is imperative that the Coast Guard be notified of the spill into a storm sewer within one hour if it is to be called an accidental spill. If the spill is into a sanitary sewer, then the call must be made within one hour to the N.E.O. Regional Sewer District.

This section must be completed within a 15-minute period.

The department superintendent will immediately determine the area of contamination. He will note the time of the call and determine the type and volume of the spill and the probability of polluting either public waters or a publicly owned sewage treatment plant. He will, within 15 minutes or as soon as possible, notify the Environmental Control Superintendent and the District Manager's Office.

Action by Reporting Group

Environmental Control supervision will notify by phone the appropriate governmental agencies:

- (a) National Response Center - 1-800-424-8802
- (b) Coast Guard - (216) 522-4404
- (c) State Office - Ohio E.P.A. - Columbus - (614) 299-6336
- (d) Cleveland Office - Federal E.P.A. - (216) 333-7556
- (e) District Office - Ohio E.P.A. - Twinsburg - (216) 425-9171
- *(f) Northeast Ohio Regional Sewer District - (216) 641-3200

The information needed for this report includes the following:

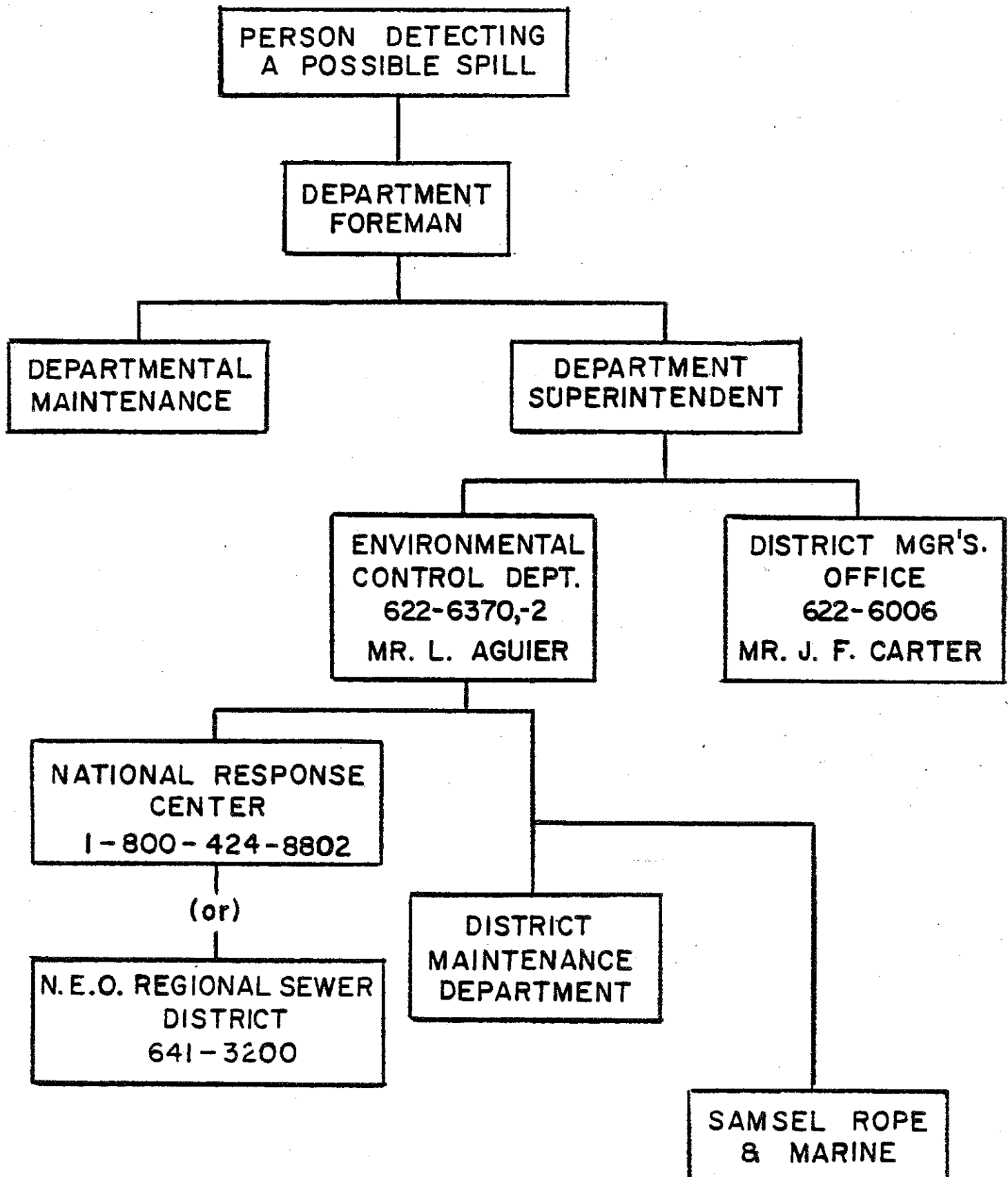
- (a) Type of material spilled.
- (b) Point of entry to public waters.
- (c) Estimated volume of material which entered public waters.

In addition, the District Manager's Office should be notified - (216) 622-6006.

Within one week of the spill, the incident report will be confirmed in writing to appropriate agencies. In addition, it is necessary to report permanent measures being taken to prevent recurrences of the spill. The permanent measures shall be worked out with the Engineering Department and a record of it shall be incorporated in this report.

* If the spill is into a sanitary sewer, the N.E.O. Regional Sewer District ONLY will be called. If the spill goes into the storm sewers leading to public waterways, all other agencies will be called and NOT the N.E.O. Regional Sewer District.

REPORTING OF AN ACCIDENTAL SPILL



Republicsteel

Republic Steel Corporation
Cleveland District
3100 East 45th Street
Cleveland OH 44127

December 7, 1982

Northeast Ohio Regional Sewer District
Administration Office
Cleveland Plaza
Cleveland, Ohio 44115

Dear Sir or Madam:

Subject: SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN
REVISIONS

Enclosed, please find revisions to the Republic Steel Corporation,
Cleveland District's S.P.C.C. Plan, involving the following
section:

Spill Alert Plan; Pages 28, 29, 30, 31 and 32.

Please substitute these pages in your copy of the S.P.C.C. Plan
book.

Should you require any additional information, please contact the
undersigned at 622-6371.

Very truly yours,



S. Rihtar
Regulations Supervisor
Environmental Control Department

SR:db

Enclosures

cc & encs: J. F. Weber - NE.O.R.S.D.
E.P.A. - Chicago
E.P.A. - Twinsburg
File: 0.55.0-165.00

Republicsteel

Republic Steel Corporation
Cleveland District
3100 East 45th Street
Cleveland OH 44127

December 7, 1982

Ohio Environmental Protection Agency
Northeast District Office
2110 East Aurora Road
Twinsburg, Ohio 44087

Dear Sir or Madam:

Subject: SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN
REVISIONS

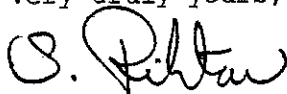
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S. Rihtar
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Environmental Control Department

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cc & encls: E.P.A. - Chicago
Northeast Ohio Regional Sewer District
File: 0.55.0-165.00

REPUBLIC STEEL CORPORATION - CLEVELAND
SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN

REV. NO. 1 DATE 11/1
 " " 2 " 3/15
 " " 3 " 9/2

[illegible]

GEN. ARRG. DWG. M-1099-B

SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN

REV.NO. 1 DATE 9/29
2 12/2

[illegible]

GEN. ARRGT. DWG. M-1099-B

REPUBLIC STEEL CORPORATION - CLEVELAND
SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN

REV. NO.	<u>1</u>	DATE	<u>10</u>
" "	<u>2</u>	"	<u>11</u>
" "	<u>3</u>	"	<u>37</u>
" "	<u>4</u>	"	<u>9</u>

TANK NO.	VOL. GALS.	CONTENT	H&W or DIA. TANK	LENGTH TANK	DWG. NO.	ABOVE- BELOW GR.	WITHIN BLDG	TYPE CONTAIN- MENT	DWG. NO.	SPILL COULD ENTER WATERWAY VIA.	CORRECTIVE PLAN OF ACTION
T 430	10,000	WASH OIL	20.0	90.0	131606	A		CURB	147474	OUTFALL 009	BUILD CURB ————— COMPLETE
T 431	10,000	WASH OIL	20.0	90.0	131606	A		"	"	OUTFALL 009	BUILD CURB " "
T 432	10,000	WASH OIL	20.0	90.0	131606	A		"	"	OUTFALL 009	BUILD CURB " "
T 433	10,000	N#2 DIESEL	8.0	26.67	159008	B		N.R.		NO	NONE
T 434	1,000	CONTAM. OIL	6.58	7.0	130393	B		N.R.		NO	NONE - TANK REMOVED
T 435	15,000	WASH OIL	16.5	58.0	129466	A		DIKE	147473	OUTFALL 009	BUILD DIKE ————— COMPLETE
T 436	15,000	WASH OIL	16.5	58.0	129466	A		"	"	OUTFALL 009	BUILD DIKE — " "
T 437	15,750	LT. TAR DEC	11.5	20.0	129493	A		DIKE	147477	OUTFALL 009	BUILD DIKE — " "
T 438	84,000	LIQ. DEC.	13.5 x 16.0	57.0	134437	A		"	"	OUTFALL 009	BUILD DIKE — " "
T 439	84,000	LIQ. DEC.	13.5 x 16.0	57.0	134437	A		"	"	OUTFALL 009	BUILD DIKE — " "
T 440	12,000	TAR COLL	9.0	25.5	134432	A		"	"	OUTFALL 009	BUILD DIKE — " "
T 441	12,000	TAR COLL	9.0	25.5	134432	A		"	"	OUTFALL 009	BUILD DIKE — " "
T 442	54,000	LIQ. DEC.	12.5 x 14.0	49.75	124858	A		"	"	OUTFALL 009	BUILD DIKE — " "
T 443	54,000	LIQ. DEC.	12.5 x 14.0	49.75	124858	A		"	"	OUTFALL 009	BUILD DIKE — " "
T 444	20,000	LT. OIL	12.0	25.5	130179	A		DIKE	130280	NO	NONE
T 445	92,000	LT. OIL DEC	15.5	65.0	130172	A		DIKE		NO	NONE
T 446	12,000	SEAL OIL	10.0	21.0	25343	A		TRENCH		NO	PLUG WEEP HOLES
T 447	12,000	SEAL OIL	10.0	21.0	25343	A		TRENCH		NO	" " "
T 448	3,400	SEAL OIL	5 x 6	15.0		A				NO	NONE
T 449	2,000	LT. OIL	10.5	35.0	130384	A		CURB	154752	OUTFALL 009	BUILD CURB — COMPLETED
T 450											
T 451 P	46,000	LT. OIL	15.0	36.0	130366	A		DIKE	130746	NO	NONE — TANK REMOVED
T 452 P	44,000	RES. PROD	15.0	33.75	130366	A		DIKE	130746	NO	NONE " "
T 453 P	50,000	LT. OIL	15.0	40.0	130366	A		DIKE	130746	NO	NONE " "
T 454 P	44,000	RESIDUE	15.0	33.75	130366	A		DIKE	130746	NO	NONE " "
T 455 P	50,000	LT. OIL	15.0	40.0	130365	A		DIKE	130746	NO	NONE
T 456 P	50,000	LT. OIL	15.0	40.0	130365	A		DIKE	130746	NO	NONE
T 457 P	50,000	LT. OIL	15.0	40.0	130365	A		DIKE	130746	NO	NONE
T 458 P	150,000	BENZOL	25.0	42.0	130364	A		DIKE	130729	NO	NONE — CONVERTED TO WATER STORAGE
T 459 P	150,000	BENZOL	25.0	42.0	130364	A		DIKE	130740	NO	NONE " " " "
T 460 P	150,000	TOLUOL	25.0	42.0	130364	A		DIKE	130746	NO	NONE
T 461 P	50,000		15.0	40.0	130367	A		DIKE	130746	NO	NONE
T 462 P	50,000	TXP	15.0	40.0	130367	A		DIKE	130746	NO	NONE — CONVERTED TO WATER STORAGE
T 463 P	50,000	BTX	15.0	40.0	130368	A		DIKE	130746	NO	NONE — TANK REMOVED
T 464 P	50,000	BTX	15.0	40.0	130368	A		DIKE	130746	NO	NONE
T 465 P	50,000	XYLOL	15.0	40.0	130368	A		DIKE	130740	NO	NONE
T 466 P	50,000	HVY. SOL.	15.0	40.0	130368	A		DIKE	130740	NO	NONE
T 467 P	50,000	TOLUOL	15.0	40.0	130369	A		DIKE	130740	NO	NONE
T 468 P	50,000	TOLUOL	15.0	40.0	130369	A		DIKE	130740	NO	NONE
FORM #2											

AREA 4 PLANT COKE PL. NO.1GEN. ARRGT. DWG. M-1099-BREPUBLIC STEEL CORPORATION - CLEVELAND
SPILL PREVENTION CONTROL & COUNTERMEASURE PLANREV. NO. 1 DATE 11/13
" " 2 " 3/17/7
" " 3 " 9/28/

TANK NO.	VOL. GALS.	CONTENT	H&W or DIA. TANK	LENGTH TANK	DWG. NO.	ABOVE- BELOW GR.	WITHIN BLDG	TYPE CONTAIN- MENT	DWG. NO.	SPILL COULD ENTER WATERWAY VIA.	CORRECTIVE PLAN OF ACTION
T 469 P	50,000	BENZOL	15.0	40.0	130369	A		DIKE	130729	NO	NONE
T 470 P	50,000	BENZOL	15.0	40.0	130369	A		DIKE	130729	NO	NONE
T 471 P	50,000	RESIDUE	15.0	40.0	130370	A		DIKE	130703	NO	NONE
T 472 P	50,000	RESIDUE	15.0	40.0	130370	A		DIKE	130703	NO	NONE
T 473 P	50,000		15.0	40.0	130371	A		DIKE	130746	NO	NONE — CONVERTED TO WATER STORAGE
T 474 P	50,000	TPX	15.0	40.0	130371	A		DIKE	130746	NO	NONE — TANK REMOVED
T 475 P	40,000	WASH OIL	15.0	32.0	130372	A		CURB	147475	OUTFALL 009	BUILD CURB — COMPLETED
T 476 P	150,000	LT. TAR	25.0	42.0	129471	A		DIKE	147477	OUTFALL 009	BUILD DIKE — COMPLETED
T 477 P	600,000	TAR	52.0	40.0	125701	A		"	"	OUTFALL 009	BUILD DIKE — " "
T 478 P	600,000	TAR	52.0	40.0	129465	A		"	"	OUTFALL 009	BUILD DIKE — " "
③T 479 P											
③T 480 P	1,000,000	NO 6 FUEL	65.0	40.0		A		DIKE	132473 *	NO	NONE — TANK REMOVED (1978)
T 481 P	500,000	NO 6 FUEL	50.0	35.5	21679	A		DIKE	19634 *	NO	NONE " " "
T 482	6,000	OIL	10.0	10.5	130,977	A			147476	OUTFALL 009	TANK REMOVED
T 483	20,000	BT & TX	15.0	16.0	130,375	A		DIKE	130729	NO	NONE
T 484	20,000	XYLOL	15.0	16.0	130375	A		DIKE	130729	NO	NONE
T 485	20,000	BT & TX	15.0	16.0	130373	A		DIKE	130744	NO	NONE
T 486	20,000	XYLOL	15.0	16.0	130373	A		DIKE	130701	NO	NONE
T 487	20,000	HVYSOL	15.0	16.0	130374	A		DIKE	130701	NO	NONE
T 488	20,000	XYLOL	15.0	16.0	130373	A		DIKE	130744	NO	NONE
T 489	20,000	NIT. BENZOL	15.0	16.0	130373	A		DIKE	130701	NO	NONE
T 490	20,000	BENZOL	15.0	16.0	130374	A		DIKE	130701	NO	NONE
T 491	12,000	WASH OIL	11.5	25.0	130386	A	AGITATOR	BLDG		NO	NONE — TANK REMOVED
T 492	12,000	WASH OIL	11.5	25.0	130386	A	AGITATOR	BLDG		NO	NONE " "
T 493	12,000	WASH OIL	11.5	25.0	130386	A	AGITATOR	BLDG		NO	NONE " "
T 494	30,000	STILL	11.5	42.0	130388	A		DIKE		NO	NONE " "
T 495	30,000	STILL	11.5	42.0	130388	A		DIKE		NO	NONE " "
T 496											
T 497	20,000	WASH OIL	10.0	34.0	130381	A		CURB	147475	OUTFALL 009	BUILD CURB — COMPLETED
T 498	20,000	WASH OIL	10.0	34.0	130382	A		"	"	OUTFALL 009	BUILD CURB — " "
T 499	24,000	WASH OIL	11.5	40.0	129474	A		DIKE	147473	OUTFALL 009	BUILD DIKE — COMPLETED
T											
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AREA 5 PLANT SHOPS

GEN. ARRGT. DWG. M-1102-B

REPUBLIC STEEL CORPORATION - CLEVELAND
SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN

REV.NO. 1 DATE 9/2[illegible]

AREA 8 PLANT BLAST F'CE 5&6GEN. ARRGT. DWG. M-1097-BREPUBLIC STEEL CORPORATION - CLEVELAND
SPILL PREVENTION CONTROL & COUNTERMEASURE PLANREV.NO. 1 DATE 8/2 11/3 3/14 9/25 12/

TANK NO.	VOL. GALS.	CONTENT	H&W or DIA. TANK	LENGTH TANK	DWG. NO.	ABOVE- BELOW GR.	WITHIN BLDG	TYPE CONTAIN- MENT	DWG. NO.	SPILL COULD ENTER WATERWAY VIA.	CORRECTIVE PLAN OF ACTION
T 851 P	125,000	NO.6 FUEL	27.0	32.0	65353	A		LAGOON	147481	OUTFALL 006	BUILD CURB ————— COM
T 852 P	250,000	TAR	37.0	32.0	109420	A		"	"	OUTFALL 006	" " " "
T 853 P	250,000	TAR	37.0	32.0	109420	A		"	"	OUTFALL 006	" " " "
T 854 P	150,000	BTX	30.0	30.0	126783	A		DIKE	108217	NO	NONE
T 855 P	11,300,000	NO.6 FUEL	200.0	48.0	138250	A		DIKE	137005	NO	NONE
④T 856	20,000	(EMPTY)	10.0	34.0	126791	A		LAGOON	147481	OUTFALL 006	BUILD CURB - TANK REMOVED
T 857	20,000	WASH OIL	10.0	34.0	126803	A		LAGOON	147481	OUTFALL 006	BUILD " ————— COM
T 858	20,000	BTX	10.0	34.0	126827	A		DIKE	108220	NO	NONE
T 859	20,000	BTX	10.0	34.0	126827	A		DIKE	108220	NO	NONE
T 860	20,000	LT.OIL	10.0	34.0	126827	A		DIKE	108220	NO	NONE
T 861	20,000	WASH OIL	10.0	34.0	126827	A		DIKE	108220	NO	NONE
T 862	1,000	2-DIESEL	4.0	10.67		B		N.R.		NO	NONE
T 863	15,000	TAR COLL.	8.0	40.0	109304	A		LAGOON	147481	OUTFALL 006	BUILD CURB ————— COM
T 864	15,000	TAR COLL.	8.0	40.0	109304	A		"	"	"	" " " "
T 865	15,000	TAR COLL.	8.0	40.0	109304	A		"	"	"	" " " "
T 866	17,000	FUEL OIL	10.5	29.75	SK.11527	A		DIKE	57573	NO	NONE (ASHL
T 867	14,000	FUEL OIL	10.0	25.0	SK.11526	A		DIKE	57573	NO	NONE (ASHL
T 868	170	L.O.RECT.	1.5	13.0	126830	A		LAGOON	147481	OUTFALL 006	BUILD CURB ————— COMP
T 869	1,700	L.O.SEP.	5.0	12.0	109312	A		"	"	"	" " " "
T 870	2,600	L.O.SEP.	5.0	18.0	109312	A		"	"	"	" " " "
T 871	134,000	BENZ. WA.	15.0	102.0	109305	A		"	"	"	" " " "
T 872	134,000	BENZ. WA.	15.0	102.0	109305	A		"	"	"	" " " "
④T 873	79,000	FIN.COOL.	15.0	60.0	109297	A		"	"	"	" " " — TANK REMOVED
④T 874	18,000	WASH OIL	8.0	49.0	109280	A		"	"	"	" " " " " "
T 875	7,000	LT.OIL	6.0	34.5	109309	A		"	"	"	" " " COMP
T 876	800	LT.OIL	5.0	6.0	126838	A		"	"	"	" " " "
T 877	1,600	LT.OIL	3.0	31.5	109336	A		"	"	"	" " " "
④T 878	6,700	WASH OIL	8.0	18.0	18482-27	A		"	"	"	" " " — TANK REMOVED
④T 879	250	2-DIESEL	3.0	5.0		A	4-HULETT	N.R.			NONE " " "
T 880	3,500	LUBE OIL	5 x 7	15.0	BOWE13532	A	2-POWER	DIKE	147468	OUTFALL 006	BUILD DIKE ————— COM
T 881	6,000	CON.OIL	7.0 x 8.75	18.5	BOWE16030	A	2-POWER			"	TANK REMOVED
T 882	10,000	LT.OIL	8.0	26.5	126795	A	SULFSTOR.	DIKE	SK.11267	NO	NONE
T 883	20,000	(EMPTY)	10.0	34.0		A				NO	NONE (SEE SK.12485) — TANK REMO
⑥T 884	2-57,000 COMPARTMTS	LIQ. DEC.	12.5 x 28.0	49.75	109298	A		LAGOON	147481	OUTFALL 006	BUILD CURB ————— COMPLETED
⑥T 885	2-57,000 COMPARTMTS	LIQ. DEC.	12.5 x 28.0	49.75	109299	A		"	"	" "	" " " " "
④T 886	255,000	WASTE WA.	38.0	30.00	147426	A		"	"	" "	NONE - CURB BUILT (DWG. 149843)
⑥T 887	3,100	SLUDGE	9.5 x 10.16	3.0	—	A		—	—	NO	NONE
T											
T											

AREA 9 PLANT STRIP MILL
GEN. ARRGT. DWG. M-1100-B1, B2, B3

REPUBLIC STEEL CORPORATION - CLEVELAND
SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN

REV. NO. 1 DATE 8/28
" " 2 " 11/13
" " 3 " 3/17/
" " 4 " 9/29

TANK NO.	VOL. GALS.	CONTENT	H&W or DIA. TANK	LENGTH TANK	DWG. NO.	ABOVE- BELOW GR.	WITHIN BLDG	TYPE CONTAIN- MENT	DWG. NO.	SPILL COULD ENTER WATERWAY VIA.	CORRECTIVE PLAN OF ACTION
T 950	5,000	ROLLOIL	5.0x9.42	14.0		A	HYDRO	DIKE	147471	OUT FALL 003	BUILD DIKE ————— COMPLETE
T 951	5,000	ROLLOIL	5.0x9.42	14.0		A	HYDRO	"	"	OUT FALL 003	BUILD DIKE — " "
T 952	50,000	LT. HYD. OIL	20.0	23.0		A	HYDRO	"	"	OUT FALL 003	BUILD DIKE — " "
T 953	3,000	(EMPTY)	4.0x5.0	20.0		A		DIKE	EARTH	NO	NONE
T 954	8,500	2-DIESEL	9.5	16.0	sk2745-14889	B				NO	NONE
T 955	1,800	LT. HYD. OIL			49433	A				NO — TO LAGOON	NONE
④T 956	12,100	COAT. OIL	10.5	19.0	(SHARVILLE	A		CURB		NO " "	NONE
④T 957	12,100	LT. HYD. OIL	10.5	19.0	3588-3589	A		"		NO " "	NONE
④T 958	12,100	GEAR OIL	10.5	19.0	3397-10078	A		"		NO " "	NONE
④T 959	12,100	RUST PRE. OIL	10.5	19.0	" "	A		"		NO " "	NONE
T 960	12,100	SOL. OIL	10.5	19.0	" "	A				NO " "	NONE
T 961	12,100	LT. HYD. OIL	10.5	19.0	" "	A				NO " "	NONE
T 962	4,000	RECLAIM OIL	4.5x5.0	24.0		A		DIKE	147484	DIRECT	BUILD DIKE ————— COMPLETE
T 963	11,890	LT. HYD. OIL	8.5x8.5	22.0		A		"	"	DIRECT	BUILD DIKE " "
T 964	15,000	RECLAIM OIL	10.5	23.5		A		CURB	147479	DIRECT	BUILD CURB ————— COMPLETE
T 965	2,000	2-DIESEL	5.3	12.0		B				NO	NONE
T 966	2,000	2-DIESEL	5.3	12.0		B				NO	NONE
T 967	15,000	TRAMPOIL	10.5	24.0	84695	A		DIKE	89101	NO	NONE
T 968	15,000	TRAMPOIL	10.5	24.0	94545	A		DIKE	89101	NO	NONE
T 969	10,100	LT. OIL	10.5	16.0	SHPVL 3590	A		DIKE		NO	NONE
T 970 P	100,000	RECLAIM	25.0	30.0	36990	A		DIKE	36990	NO	NONE (TANK EMPTY)
T 971 P	250,000	NO. 6 FUEL	33.0	40.0	GTX 1-3407	A		DIKE	137014, 15	NO	NONE
T 972	270	HEATING				A		N.R.			NONE
T 973	2,500	ROLLOIL	3.0	10.0		A	CON. PICKLE			NO — TO LAGOON	NONE
T 974	10,000	WASTE OIL	10.0	20.5	79258	A		DIKE	70056	NO	NONE
T 975	7,500	RUST PRE.	20.67	8.0	72353	A	OIL DRUM ST.	TRENCH	99349	OUTFALL 001	CURB & TRENCH ————— COMPLETE
⑧T 976	8,000	RUST PRE.	8.0	22.0		A	TAN. MILL	N.R.			NONE (PORTABLE TANK)
T 977	33,750	LT. OIL	10.5x13.5	30.0	70997 *	B	TAN. MILL	OIL CELL	70260	NO	NONE
T 978	22,500	LT. OIL	9.5x14.0	22.0	70998 *	B	" "	" "	73404	NO	NONE
T 979	14,000	MORGOIL	6.5x11.5	28.0	77959 *	B	" "	" "	72060	NO	NONE
T 980	14,000	MORGOIL	6.5x11.5	28.0	" *	B	" "	" "	"	NO	NONE
T 981	12,000	"	6.5x11.0	25.0	77956 *	B	" "	" "	"	NO	NONE
T 982	12,000	"	" "	"	"	B	" "	" "	"	NO	NONE
T 983	7,500	CIRC. OIL	6.0x9.5	20.0	77962 *	B	" "	" "	"	NO	NONE
T 984	3,500	LUBE OIL			**	B	" "	" "	"	NO	NONE
T 985	1,000	LT. HYD. OIL	4.0x4.6	10.0	77985 *	B	" "	" "	"	NO	NONE
T 986	1,000	"	" "	"	"	B	" "	" "	"	NO	NONE
T 987	1,000	"	" "	"	"	B	" "	" "	"	NO	NONE
T 988	400	HYD. OIL	3.0x3.0	6.0	***	B	" "	" "	"	NO	NONE
FORM #2					* = 72152	** =	BOWSER	E-12018-D	*** = DENISON 23-5830-D & 72152		

LTV Steel Company



May 29, 1986

Certified Mail-Return Receipt Requested

U.S. EPA
Region V
Post Office Box A3587
Chicago, Illinois 60604

Ohio EPA
Post Office Box 1049
Columbus, Ohio 43216-1049

Attn: RCRA Activities

Attn: Division of Solid and Hazardous
Waste Management

Re: LTV Steel Company, Inc.
Cleveland (East) Works
EPA I.D. No. OHD 004218673

C TR TSD PA

Gentlemen:

On January 27, 1986, LTV Steel Company, Inc. notified the agencies of the burning of a hazardous waste derived fuel (Cadence Product 312) in blast furnace(s) (industrial furnace(s)) at the above referenced facility.

This is to notify that LTV Steel Company, Inc. has officially terminated any receipt, storage and use of the hazardous waste derived fuel (Cadence Product 312) prior to May 29, 1986.

Should you have any questions, please contact the writer.

Very truly yours,

L. A. Szuhay
Manager-Solid and Hazardous Waste
Environmental Control

IAS/fh

1947a



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V

111 West Jackson Blvd.
CHICAGO, ILLINOIS 60604

REPLY TO ATTENTION OF:
5HW-TUB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. D.W. Franchot
Registered Agent for
Republic Steel Cleveland District
3100 East 45th Street
Cleveland, Ohio 44127

Re: Compliance Order and Consent Agreement
OHD004218673

Dear Mr. Franchot:


Enclosed please find a Compliance Order which specifies this Agency's determination of certain violations by your company of the Resource Conservation and Recovery Act (RCRA) as amended, 42 U.S.C. 6901 et seq., based on information in our files about your facility located at 3100 East 45th Street, Cleveland, Ohio. The Compliance Order states the reasons for such a determination. In essence, the facility does not have a permit and has not achieved interim status under Section 3005 of RCRA, because a timely notification of hazardous waste activity under Section 3010 of RCRA was not filed with the United States Environmental Protection Agency (USEPA). This Compliance Order is issued pursuant to Section 3008 of RCRA (42 U.S.C. 6928).

Accompanying the Compliance Order is a Notice of Opportunity for Hearing. Should you desire to contest the Compliance Order, a written request for a hearing is required to be filed with the Regional Hearing Clerk within 30-days from receipt of this Compliance Order. A copy of your hearing request should be sent to Eric Dunham, Assistant Regional Counsel, 230 S. Dearborn Street, Chicago, Illinois 60604. Also enclosed is a Consent Agreement and Final Order. Should you agree to this settlement, please sign it and return it to the person named below.

The proposed settlement in this administrative action will allow you to continue to operate your facility subject to the conditions of the Final Order. The Agency believes that it will be in the public interest to allow your facility to continue to operate subject to the Order's conditions, even though your facility has failed to achieve interim status under Section 3005(e) of RCRA. Entry of this Order does not grant your facility interim status, but the Agency will refrain from further enforcement action, and the facility will be allowed to operate if the Order's conditions are complied with until a final determination is made on your permit application pursuant to 40 CFR 122. The Order does not protect against action by a third party.

If you have any questions or desire to request an informal conference, for the purpose of settlement, please contact Gale Hruska at (312) 886-6138 or at RCRA Activities, Post Office Box A3587, Chicago, Illinois 60690-3587.

Sincerely,



Basil G. Constantelos, Director
Waste Management Division

Enclosure

cc: Richard Shank, Chief
Enforcement, DHMM
Ohio Environmental Protection Agency

David Northrop
Office of Ohio Attorney General

JUN 24 1982

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. D.W. Franchot
Registered Agent for
Republic Steel Cleveland District
3100 East 45th Street
Cleveland, Ohio 44127

Re: Compliance Order and Consent Agreement
OHD004218673

Dear Mr. Franchot:

Enclosed please find a Compliance Order which specifies this Agency's determination of certain violations by your company of the Resource Conservation and Recovery Act (RCRA) as amended, 42 U.S.C. 6901 et seq., based on information in our files about your facility located at 3100 East 45th Street, Cleveland, Ohio. The Compliance Order states the reasons for such a determination. In essence, the facility does not have a permit and has not achieved interim status under Section 3005 of RCRA, because a timely notification of hazardous waste activity under Section 3010 of RCRA was not filed with the United States Environmental Protection Agency (USEPA). This Compliance Order is issued pursuant to Section 3008 of RCRA (42 U.S.C. 6928).

Accompanying the Compliance Order is a Notice of Opportunity for Hearing. Should you desire to contest the Compliance Order, a written request for a hearing is required to be filed with the Regional Hearing Clerk within 30-days from receipt of this Compliance Order. A copy of your hearing request should be sent to Eric Dunham, Assistant Regional Counsel, 230 S. Dearborn Street, Chicago, Illinois 60604. Also enclosed is a Consent Agreement and Final Order. Should you agree to this settlement, please sign it and return it to the person named below.

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Sincerely,

Basil G. Constantelos, Director
Waste Management Division

Enclosure

cc: Richard Shank, Chief
Enforcement, DHMM
Ohio Environmental Protection Agency

David Northrop
Office of Ohio Attorney General

bcc: Frank Biros
Office of Waste Programs Enforcement (WH-527)

Regional Hearing Clerk

Eric Dunham
Office of Regional Counsel

TPCS Secretary

GHRUSKA:SJOHNSON:6-7425:5HW-TUB:6-8-82

INITIALS	DATE	4/21	TPCS	WMB	WMD	RAO
TPC	6/21/82	for	CHIEF	CHIEF	DIR.	
STU #1	STU #2	TPCS	WMB	WMD	RAO	
GOV.	SEC.	CHIEF	CHIEF	DIR.		
6/21/82	6/21/82	6/21/82	6/21/82	6/21/82		

Handwritten: 2w4 6/24
JES
Office of Leg. Cov.
6/23

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V

IN THE MATTER OF:

REPUBLIC STEEL CLEVELAND DISTRICT
3100 EAST 45TH STREET
CLEVELAND, OHIO

EPA ID NO. OHD 004218673

DOCKET NO. V-W-82-R-

COMPLAINT

V-W- 82 R- 005

COMPLAINT

This Complaint is filed pursuant to Section 3008(a)(1) of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, (RCRA or the Act), 42 U.S.C. 6928(a)(1), and the United States Environmental Protection Agency's Consolidated Rules of Practice Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, 40 CFR Part 22. The Complainant is the Director of the Waste Management Division, Region V, United States Environmental Protection Agency (hereinafter USEPA). The Respondent is Republic Steel Cleveland District.

Based upon information available to USEPA, it has been initially determined that the Respondent is in violation of certain requirements of RCRA. Specifically, Respondent has been determined to be in violation of 42 U.S.C. 6925, in that Respondent owns and operates an existing hazardous waste management facility (facility) as defined by 40 CFR 260.10, which does not have a permit or interim status. Respondent has not achieved interim status because it failed to submit a timely notification pursuant to 42 U.S.C. 6930 and as required by 42 U.S.C. 6925(e) for interim status.

DETERMINATIONS

1. Respondent owns and operates a facility located at 3100 East 45th Street Cleveland, Ohio. Respondent is a New Jersey corporation whose registered agent in Ohio is Mr. D.W. Franchot.

2. Section 3005 of Subtitle C of the Act provides in part, that:

"the Administrator (of the Environmental Protection Agency) shall promulgate regulations requiring each person owning or operating a facility for the treatment, storage, or disposal of hazardous waste identified or listed under this subtitle to have a permit issued pursuant to this section. (After the effective date of the regulations) the treatment, storage, or disposal of any such hazardous waste is prohibited except in accordance with such a permit." Material in parenthesis added.

3. Regulations requiring each person owning or operating a facility for the treatment, storage, or disposal of hazardous waste to have a permit issued pursuant to Section 3005 were promulgated by the Administrator on May 19, 1980, and are codified at 40 CFR Parts 122 and 124. The effective date of these regulations is November 19, 1980.

4. Section 3005(e) of the Act provides that an owner or operator of a facility shall be treated as having been issued a permit pending final administrative disposition of his/her permit application provided that: (1) the facility was in existence on November 19, 1980; (2) the requirements of Section 3010(a) of the Act concerning notification of hazardous waste activity have been complied with, and (3) application for a permit has been made. This statutory authority to operate is known as interim status. USEPA regulations implementing these provision are found at 40 CFR Part 122.

5. On or after November 19, 1980, Republic Steel Cleveland District has treated and stored substances, including spent pickle liquor and certain wastes exhibiting the characteristic of corrosivity which have been identified or listed as hazardous waste under Section 3001 of the Act, 40 CFR 261.31, without a permit and without having achieved interim status, in violation of Section 3005(a) of the Act. Interim status was not achieved because Republic Steel Cleveland District failed to submit a notification of hazardous waste activity by August 18, 1980, as required by Section 3010(a) of the Act. Respondent filed such a notification on August 19, 1980. A Part A permit application pursuant to 40 CFR 122.22 was filed on November 18, 1980.

6. Notwithstanding the violation of the requirements of Section 3005(a) of the Act by Republic Steel Cleveland District, the continued operation of the facility is determined to be in the public interest:

- (a) for a limited period of time until a final decision on its permit application has been made by USEPA; and
- (b) if in complete compliance with the Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities, 40 CFR Part 265; and
- (c) if in complete compliance with the conditions set forth in this Complaint. Such operation is determined to be in the public interest because the storage and treatment of the large amounts of hazardous waste generated by the company would put a severe strain on the ability of local waste management facilities to handle such waste.

ORDER AND CONDITIONS
FOR CONTINUED OPERATION

Respondent having been initially determined to be in violation of 42 U.S.C. 6925, the following Compliance Order pursuant to 42 U.S.C. 6928(a)(1) is entered:

- A. Respondent shall, within 30-days of receipt of this Complaint, cease all treatment, storage or disposal of any hazardous waste except such storage at the facility as shall be in complete compliance with the Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities, 40 CFR Part 265; and
- B. Respondent shall fully comply with the Consolidated Permit Regulations, 40 CFR Parts 122 and 124, as if Respondent had filed a timely "Notification of Hazardous Waste Activity" pursuant to Section 3010(a), and submitted Part A of a permit application as required by those regulations.

Notwithstanding any other provision of this Order, an enforcement action could be brought pursuant to Section 7003 of RCRA, or other statutory authority, should USEPA find that handling, storage, treatment, transportation or disposal of solid waste or hazardous waste at the facility presents an imminent and substantial danger to human health or the environment.

NOTICE OF OPPORTUNITY FOR HEARING

The above named Respondent is hereby notified that the above Order may become final (or a default Order entered upon motion) unless said person has requested in writing a public hearing no later than 30 days from the date this Order is served. You have the right to request a public hearing to contest any material factual allegation set forth in the Complaint or the appropriateness of any proposed compliance schedule. In the event that you wish to request a hearing, and to avoid having the Compliance Order become final without further proceedings, you must file a written answer to this Complaint with the Regional Hearing Clerk, USEPA Region V, 230 South Dearborn Street, Chicago, Illinois 60604, within 30 days of your receipt of this notice. A copy of this answer, and any subsequent document filed in this action, should be sent to Office of Enforcement Counsel, Regional Counsel's Office at the same address, to the attention of Eric Dunham, Assistant Regional Counsel. Respondent's answer should clearly and directly admit, deny, or explain each of the factual allegations of which Respondent has any knowledge.

Said answer should contain (1) a definite statement of the facts, circumstances or arguments which constitute the grounds of defense, and (2) a concise statement of the facts which you intend to place at issue. The denial of any material fact or the raising of any affirmative defense shall be considered as a request for a hearing. A copy of the Consolidated Rules of Practice Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits accompanies this complaint (40 CFR Part 22, 45 Federal Register 24367 April 4, 1980; as amended by 45 Federal Register 79898 December 2, 1980). These regulations are applicable to all proceedings to this administrative action, including the filing of any answer.

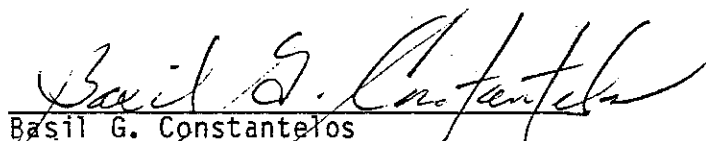
SETTLEMENT CONFERENCE

Whether or not you request a hearing, you may confer informally, with USEPA concerning (1) whether the alleged violations, in fact, occurred as set forth above, or (2) the appropriateness of the compliance schedule.

You may request an informal settlement conference at any time by contacting this office. However, any such request will not affect the 30 day limit for responding with an answer to this Complaint, and requesting a formal hearing on the violations alleged therein. USEPA encourages all parties to pursue the possibilities of settlement through informal conferences.

Request for an informal conference may be made to Gale Hruska, at the above address, telephone number (312) 886-6138.

Signed this 21st day of June, 1982.


Basil G. Constantelos
Director, Waste Management Division
Complainant
U.S. Environmental Protection Agency
Region V

CERTIFICATE OF SERVICE

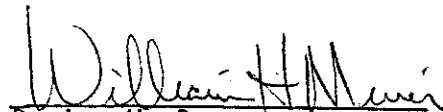
I hereby certify that I have caused a copy of the foregoing Complaint to be served upon the person designated below, on the date below, by causing said copy to be deposited in the U.S. Mail, First Class (certified return receipt requested, postage prepaid) at Chicago, Illinois, in an envelope addressed to:

Mr. D.W. Franchot
Registered Agent for
Republic Steel Cleveland District
3100 East 45th Street
Cleveland, Ohio 44127

I have further caused the original of the complaint and this certificate of service to be served in the office of the Regional Hearing Clerk located in the Office of Regional Counsel, USEPA, Region V, at 230 S. Dearborn Street, Chicago, Illinois 60604, on the date below.

This is said person's last known address to the subscriber.

Dated this 25th day of June, 1982.


~~Denise M. Reape~~
Waste Management Branch
USEPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V

IN THE MATTER OF:

REPUBLIC STEEL CLEVELAND DISTRICT
3100 EAST 45TH STREET
CLEVELAND, OHIO

EPA ID NO. OHD004218673

DOCKET No. V-W-82-R-

CONSENT AGREEMENT
AND
FINAL ORDER

V-W- 82 R-005

A Complaint was filed pursuant to Section 3008(a)(1) of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. 6928(a)(1), and the United States Environmental Protection Agency's Consolidated Rules of Practice Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, 40 CFR Part 22. The Complainant is the Director of the Waste Management Division, Region V, United States Environmental Protection Agency (hereinafter USEPA). The Respondent is Republic Steel Cleveland District.

The parties to this action being desirous to settle this action enter into the following stipulations:

1. Respondent has been served with a copy of the Complaint (with notice of an opportunity for a hearing) on this matter; the Regional Administrator has jurisdiction over this matter, pursuant to Section 3008 of the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. 6928.
2. Respondent owns and operates an existing hazardous waste management facility, as defined by 40 CFR 260.10.
3. Respondent submitted a notification of hazardous waste activity pursuant to 42 U.S.C. 6930, on August 19, 1980.

4. Respondent filed a Part A permit application with USEPA for operation of a hazardous waste management facility on November 18, 1980.

5. Respondent neither admits nor denies any other allegation in the Complaint.

ORDER

Based upon the foregoing stipulations, the parties agree to the entry of the following Final Order in this matter:

A. Respondent shall, within 30 days of receipt of this Complaint, cease all treatment, storage, or disposal of any hazardous waste except such treatment and storage at the facility as shall be in complete compliance with the Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities, 40 CFR Part 265; and

B. Respondent shall fully comply with the Consolidated Permit Regulations, 40 CFR Parts 122 and 124, as if Respondent had filed a timely "Notification of Hazardous Waste Activity" pursuant to Section 3010(a); and submitted Part A of a permit application as required by those regulations.

Notwithstanding any other provision of this Order, an enforcement action could be brought pursuant to Section 7003 of RCRA (or other statutory authority) should the USEPA find that the handling, storage, treatment, transportation or disposal of solid waste or hazardous waste at the facility presents an imminent and substantial endangerment to human health or the environment.

Agreed to this _____ day of _____, 1982.

Respondent

Title

Agreed to, this _____ day of _____, 1982.

Basil G. Constantelos
Director, Waste Management Division
Complainant
U.S. Environmental Protection Agency
Region V

It being Agreed, it is so ORDERED this _____ day of _____,
1982.

Valdas V. Adamkus
Regional Administrator



Republic Steel Corporation
Cleveland District
3100 East 45th Street
Cleveland OH 44127

March 3, 1983

U.S. Environmental Protection Agency
Region V
RCRA Activities
P.O. Box 7861
Chicago, Illinois 60680

0400042 186 73 PA, G, TRS, TSD, PASI

Dear Sir or Madam:

Subject: SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN
REVISIONS

Enclosed, please find revisions to the Republic Steel Corporation,
Cleveland District's S.P.C.C. Plan involving the following sections:

General Information - Page 1 of 2
Pages 5 and 32
Appendix G

Please substitute these pages in your copy of the S.P.C.C. Plan
book.

Should you require any additional information, please contact the
undersigned at (216) 622-6371.

Sincerely,

S. Rihtar
Regulations Supervisor
Environmental Control Department

SR:db

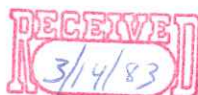
Enclosures

cc: File 0.55.0-165.00

RECEIVED

MAR 14 1983

WASTE MANAGEMENT BRANCH
EPA. REGION V



AUG 11 1982

SNW-TUB

D.W. Wigton, Vice President
Steel Operations
Republic Steel - Cleveland District
3100 East 45th Street
Cleveland, Ohio 44101

Re: Republic Steel - Cleveland District
Consent Agreement and Final Order
EPA ID No. OH D064210673
Docket No. V-W-82-S-006

Dear Mr. Wigton:

This is to acknowledge receipt of the Consent Agreement and Final Order signed by you. A fully executed copy of the Consent Agreement and Final Order is enclosed for your files.

Your cooperation in resolving this matter is appreciated.

Very truly yours,

William R. Miner, Chief
Technical, Permits and Compliance Section

Enclosure

cc: Charles Wilhelm
Ohio Environmental Protection Agency

bcc: Hruska/Dimock, w/enclosure
K. Hower, State Implementation Officer, w/enclosure
Schulteis, w/enclosure
Regional Hearing Clerk, w/original

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V

IN THE MATTER OF:

REPUBLIC STEEL CLEVELAND DISTRICT
3100 EAST 45TH STREET
CLEVELAND, OHIO

EPA ID NO. OHD004218673

DOCKET No. V-W-82-R-

CONSENT AGREEMENT
AND
FINAL ORDER

V-W- 82 R-005

A Complaint was filed pursuant to Section 3008(a)(1) of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. 6928(a)(1), and the United States Environmental Protection Agency's Consolidated Rules of Practice Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, 40 CFR Part 22. The Complainant is the Director of the Waste Management Division, Region V, United States Environmental Protection Agency (hereinafter USEPA). The Respondent is Republic Steel Cleveland District.

The parties to this action being desirous to settle this action enter into the following stipulations:

1. Respondent has been served with a copy of the Complaint (with notice of an opportunity for a hearing) on this matter; the Regional Administrator has jurisdiction over this matter, pursuant to Section 3008 of the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. 6928.
2. Respondent owns and operates an existing hazardous waste management facility, as defined by 40 CFR 260.10.
3. Respondent submitted a notification of hazardous waste activity pursuant to 42 U.S.C. 6930, on August 19, 1980.

4. Respondent filed a Part A permit application with USEPA for operation of a hazardous waste management facility on November 18, 1980.

5. Respondent neither admits nor denies any other allegation in the Complaint.

ORDER

Based upon the foregoing stipulations, the parties agree to the entry of the following Final Order in this matter:

A. Respondent shall, within 30 days of receipt of this Complaint, cease all treatment, storage, or disposal of any hazardous waste except such treatment and storage at the facility as shall be in complete compliance with the Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities, 40 CFR Part 265; and

B. Respondent shall fully comply with the Consolidated Permit Regulations, 40 CFR Parts 122 and 124, as if Respondent had filed a timely "Notification of Hazardous Waste Activity" pursuant to Section 3010(a); and submitted Part A of a permit application as required by those regulations.

Notwithstanding any other provision of this Order, an enforcement action could be brought pursuant to Section 7003 of RCRA (or other statutory authority) should the USEPA find that the handling, storage, treatment, transportation or disposal of solid waste or hazardous waste at the facility presents an imminent and substantial endangerment to human health or the environment.

Agreed to this 26th day of July, 1982.

Republic Steel Corporation, owner and operator of the Republic Steel Cleveland District, Respondent

by P. N. Wigton
P. N. Wigton, Vice President -
Steel Operations

Agreed to this 6th day of August, 1982.

David Stringham
Basil G. Constantelos
Director, Waste Management Division
Complainant
U.S. Environmental Protection Agency
Region V

It being Agreed, it is so ORDERED this

August 9th day of 1982,
1982.

Valdas V. Adamkus
Valdas V. Adamkus
Regional Administrator

III. Facility History

A. The circumstances surrounding the failure of the owner or operator to:

1. notify or notify on time

- ☐ a. not aware that waste was hazardous
- ☐ b. test results came back late
- ☐ c. at first thought the waste was non-hazardous later results said it was hazardous
- ☐ d. could not understand regulations
- ☐ e. lost in mail
- ☐ f. small quantity generator that lost his/her exemption due to increase in waste quantity
- ☐ g. did not think it was required if Part A sent in
- ☐ h. underwent change in ownership.
- ☐ i. change in regulations
- ☒ j. Other Unknown.

k. Comments

2. submit Part A on time.

- ☐ a. could not understand regulations

3. a. List of violations: See inspection file.

b. Comments: Notification one day late.

(add additional pages if needed)

4. Will the facility's continued operation be a benefit to the environment?

- ☐ a. it will help alleviate regional shortage of treatment, storage, or disposal capacity
- ☐ b. damage to the environment is negligible or non-existent
- ☐ c. it will not benefit the environment

b. damage to the environment is negligible or non-existent

c. it will not benefit the environment

d. other, explain:

Not Known

5. Did the facility gain unfair advantage over its competitors by its non-compliance? Not Known

IV. Recommendations on facility's status:

Refer to
Enforcement for compliance order.



Republic Steel Corporation
General Offices: Republic Building
Law Department
PO Box 6778
Cleveland OH 44101

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 28, 1982

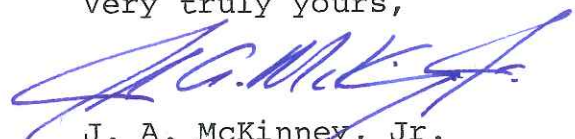
Mr. Valdas V. Adamkus
Regional Administrator
United States Environmental
Protection Agency - Region V
111 West Jackson Blvd.
Chicago, IL 60604

Re: In the matter of Republic Steel Cleveland
District - Docket No. V-W-82R-005
Motion for Extension of Time

Dear Mr. Adamkus:

Enclosed please find one executed Consent Agreement and Final Order in settlement of the above matter. Because this Order does not become effective until signed by you; and, because an Answer must be filed in this matter on or before August 2, 1982, Republic Steel Corporation, owner and operator of Republic Steel Cleveland District, Respondent herein, by its undersigned representative requests an extension of time to answer or otherwise move in response to the afore-mentioned Complaint until such time as the Consent Agreement and Final Order is accepted by the proper persons in Region V. If Region V does not agree to the Consent Agreement and Final Order, Republic Steel Corporation requests an additional thirty days from the date it receives notice of such disagreement in order to allow Republic to answer or otherwise move in response to the Complaint.

Very truly yours,



J. A. McKinney, Jr.
Assistant Counsel

JAMcK:lre
Enclosure
cc: Basil G. Constantelos
Eric Dunham
Gale Hruska

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V

IN THE MATTER OF:

REPUBLIC STEEL CLEVELAND DISTRICT
3100 EAST 45TH STREET
CLEVELAND, OHIO

EPA ID NO. OH0004218673

DOCKET No. V-W-82-R-

CONSENT AGREEMENT
AND
FINAL ORDER

V-W- 82 R-005

A Complaint was filed pursuant to Section 3008(a)(1) of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. 6928(a)(1), and the United States Environmental Protection Agency's Consolidated Rules of Practice Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, 40 CFR Part 22. The Complainant is the Director of the Waste Management Division, Region V, United States Environmental Protection Agency (hereinafter USEPA). The Respondent is Republic Steel Cleveland District.

The parties to this action being desirous to settle this action enter into the following stipulations:

1. Respondent has been served with a copy of the Complaint (with notice of an opportunity for a hearing) on this matter; the Regional Administrator has jurisdiction over this matter, pursuant to Section 3008 of the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. 6928.
2. Respondent owns and operates an existing hazardous waste management facility, as defined by 40 CFR 260.10.
3. Respondent submitted a notification of hazardous waste activity pursuant to 42 U.S.C. 6930, on August 19, 1980.

4. Respondent filed a Part A permit application with USEPA for operation of a hazardous waste management facility on November 18, 1980.

5. Respondent neither admits nor denies any other allegation in the Complaint.

ORDER

Based upon the foregoing stipulations, the parties agree to the entry of the following Final Order in this matter:

A. Respondent shall, within 30 days of receipt of this Complaint, cease all treatment, storage, or disposal of any hazardous waste except such treatment and storage at the facility as shall be in complete compliance with the Standards Applicable to Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities, 40 CFR Part 265; and

B. Respondent shall fully comply with the Consolidated Permit Regulations, 40 CFR Parts 122 and 124, as if Respondent had filed a timely "Notification of Hazardous Waste Activity" pursuant to Section 3010(a); and submitted Part A of a permit application as required by those regulations.

Notwithstanding any other provision of this Order, an enforcement action could be brought pursuant to Section 7003 of RCRA (or other statutory authority) should the USEPA find that the handling, storage, treatment, transportation or disposal of solid waste or hazardous waste at the facility presents an imminent and substantial endangerment to human health or the environment.

Agreed to this 26th day of July, 1982.

Republic Steel Corporation, owner and operator of the Republic Steel Cleveland District, Respondent

by P. N. Wigton
P. N. Wigton, Vice President -
Steel Operations

Agreed to this 6th day of August, 1982.

David Stringham
Basil G. Constantelos
Director, Waste Management Division
Complainant
U.S. Environmental Protection Agency
Region V

It being Agreed, it is so ORDERED this

1982. August 9th day of 1982

Valdas V. Adamkus
Valdas V. Adamkus
Regional Administrator

Republicsteel

Republic Steel Corporation
General Offices: Republic Building
Law Department
PO Box 6778
Cleveland OH 44101

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 28, 1982

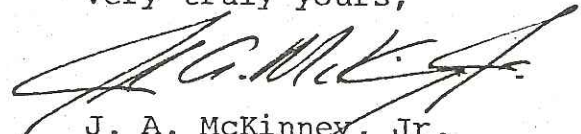
Mr. Valdas V. Adamkus
Regional Administrator
United States Environmental
Protection Agency - Region V
111 West Jackson Blvd.
Chicago, IL 60604

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Very truly yours,



J. A. McKinney, Jr.
Assistant Counsel

JAMcK:lre
Enclosure
cc: Basil G. Constantelos
Eric Dunham
Gale Hruska

June 16, 1981

PCB Inspection - Republic Steel, Cleveland District, Cleveland, Ohio

Daniel C. Watson, Physical Scientist
THRU: A.R. Winkhofer, Director, EDO

Karl Bremer, Toxic Substances Coordinator, JAH

A PCB inspection was conducted by the author at the subject facility on April 28, 1981. At the time of the inspection the facility was in full compliance with the PCB marking, storage and handling regulations. Samples were collected and the results will be sent on a later date.

Republic Steel will be participating in a pilot program with Sun Ohio to test Sun Ohio's PCB filtration system on PCB hydraulic systems. The progress of this testing should be monitored.

Attachments

cc: Michael Mutnan, SEWHME

Interim Report on the Inspection to Determine
Compliance with the PCB Disposal and Marking Regulations

Republic Steel Corporation
Cleveland District
P.O. Box 6778
Cleveland, OH 44101

April 28, 1981

Performed by

U.S. Environmental Protection Agency
Surveillance and Analysis Division
Eastern District Office
25089 Center Ridge Road
Westlake, Ohio 44145

I. Company Identification

Republic Steel Corporation
Cleveland District
P.O. Box 6778
Cleveland, Ohio 44101
Telephone: (216) 622-5000

Responsible Official

Larry Aguiar, Superintendent of Environmental Control (216) 622-5000

II. Date of Inspection

April 28, 1981

III. Participants

Republic Steel Corporation

Larry Aguiar, Superintendent of Environmental Control
Dale Papajcik, Solid Waste Management Engineer
William Moses, SPCC/RSP/PCB Supervisor

U.S. EPA-EDO

Daniel C. Watson, Physical Scientist

IV. Objective

The purpose of this inspection was to review, observe, and document the corporation's methods of handling PCB mixtures, articles, and containers to determine if Republic Steel Corporation's Cleveland District is in compliance with PCB disposal and marking regulations (40 CFR, Part 761) published in the Federal Register on May 31, 1979.

V. Description of Company

Republic Steel Corporation's Cleveland District is a primary steel producing facility covering approximately two square miles.

VI. Inspection Summary

Electrical Equipment (Inventory Attached)

This facility has the following electrical equipment in service:

1. 151 PCB transformers containing 414,540 kilograms of PCB.
2. 283 large capacitors containing 2165.7 kilograms of PCB.
3. 11 PCB reactors containing 1861 kilograms of PCB.

A representative portion of this equipment was inspected and found to be properly labelled. No leaks were found in any of the inspected equipment.

Hydraulic Systems

This facility has 38 operating hydraulic systems containing 1910 gallons of PCB liquid. Most of these were inaccessible during this inspection, but a representative number of the systems were looked at. The inspected systems were tight and reasonably isolated from drains. All hydraulic systems are tested on a regular basis by Republic Steel for PCB content and the company will provide the agency with the test results if requested.

Storage

At the time of this inspection, the company was storing 3-55 gallon and 4-30 gallon drums of PCB liquids for disposal. This area was properly posted, isolated from non-PCB storage areas, sheltered from the weather and properly diked. (diagram attached) The diked area meets all containment volume and curbing requirements. All the stored drums were properly labelled and dated and none were leaking.

Recordkeeping

The company has all the required records of PCB's including an annual report. (sample attached) The records indicate the article, location, manufacturer, type of PCB liquid, capacity in-gallons and kilograms, and amount removed from service. The company also performs a periodic sampling of their hydraulic systems and keeps records of the results. (The company will supply these on request.)

VII. Samples

The following samples were collected:

81EW04 S01 - Tramp oil from the oil collection system.

81EW04 S02 - Hydraulic oil from a PCB system.

VIII. Findings and Conclusions

Republic Steel will be using a filter system, developed by Sun Ohio, on its hydraulic systems to reduce their PCB content. Since this is a pilot program, it should be monitored using Republic Steel's test results. An evaluation of this system would be useful on future inspections.

Republic Steel was in compliance with all Federal PCB regulations. Whether a problem exists at this facility will depend on the PCB analysis of the tramp oil sample.

PCB
Hydraulic Systems
Republic Steel Corporation
Cleveland District

Number of Systems	Capacity in Gallons		Kilograms of PCB	
	Each	Total	Each	
4	25	100	141.75	567.00
1	51	51	289.17	289.17
1	50	50	283.50	283.50
1	300	300	1701.00	1701.00
17	42	714	238.14	4048.38
7	62	434	351.54	2460.78
1	60	60	340.20	340.20
1	20	20	113.40	113.40
1	5	5	28.35	28.35
1	150	150	850.50	850.50
2	12	24	68.04	136.08
1	2	2	11.34	11.34
Total 38		1910		10829.70



Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

April 29, 1981

WL West
Director

WB Tucker Jr.
Assistant to the Director

CM Brown
Assistant Director — Air

Mr. Dan Watson
Physical Scientist
Toxic Substance Control Office
U.S. Environmental Protection Agency
25089 Center Ridge Road
Westlake, OH 44145

Dear Mr. Watson:

As per your request, Republic Steel Cleveland District
PCB log for 1978-1980.

Sincerely,

A handwritten signature in black ink, appearing to read "Dale E. Papajcik". The signature is stylized with a large, sweeping "D" and a long, horizontal stroke at the end.

Dale E. Papajcik
Solid Waste Management Engineer

DEP:nf

Attach.

TRANSFORMERS

Kilograms Removed by Year

District Codo	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	1978	1979	1980
8	HOT MILK FINISH	G.E.	HERKULE	425	3296	0	0	
9	HOT MILK FINISH BASEMENT	G.E.		146	523	0	0	
32	42" C.A. MILK PROCESSOR	HERKULE		420	3211	0	0	REACTOR SM 11
31	98" HOT MILK BASEMENT	G.E.		1494	2801	0	0	
32	93" HOT MILK MOTOR ROOM	G.E.		474	2301	0	0	
33	98" HOT MILK MOTOR ROOM	G.E.		474	2801	0	0	
34	98" HOT MILK MOTOR ROOM	G.E.		474	2801	0	0	
35	98" HOT MILK MOTOR ROOM	G.E.		312	1769	2263 H. KATHIE	0	
36	98" HOT MILK MOTOR ROOM	G.E.		312	1769	0	0	
37	98" HOT MILK MOTOR ROOM	G.E.		470	2665	0	0	
38	98" HOT MILK REEFER SUBSTATION	G.E.		2330	21856	0	0	
39	98" HOT MILK REEFER SUBSTATION	G.E.		1420	8051	0	0	
40	98" HOT MILK REEFER SUBSTATION	G.E.		1420	8051	0	0	
41	98" HOT MILK MOTOR ROOM BASEMENT	G.E.		290	2211	0	0	
46	84" TANDEN MILK MOTOR ROOM	A/C		1230	7314	0	0	
47	84" TANDEN MILK MOTOR ROOM	A/C		1830	7314	0	0	
48	84" TANDEN MILK MOTOR ROOM	A/C		374	2120	0	0	
49	84" TANDEN MILK MOTOR ROOM	A/C		374	2120	0	0	
50	84" TANDEN MILK MOTOR ROOM	A/C		255	1446	0	0	
51	84" TANDEN MILK MOTOR ROOM	A/C		255	1446	0	0	
52	84" TANDEN MILK MOTOR ROOM	A/C		360	2155	0	0	
53	84" TANDEN MILK MOTOR ROOM	A/C		255	1446	0	0	
54	84" TANDEN MILK MOTOR ROOM	A/C		255	1446	0	0	
55	84" PICKLE LINE MOTOR ROOM	A/C		255	1446	0	0	
56	84" PICKLE LINE MOTOR ROOM	A/C		255	1446	0	0	
57	84" PICKLE LINE MOTOR ROOM	A/C		255	1446	0	0	
58	84" PICKLE LINE MOTOR ROOM	G.E.		405	2276	0	0	
59	84" PICKLE LINE MOTOR ROOM	A/C		255	1446	0	0	
60	84" TEANFER MILK MOTOR ROOM	A/C		255	1446	0	0	
61	84" TEANFER MILK MOTOR ROOM	A/C		255	1446	0	0	
62	Roll Shop SUBSTATION	A/C		255	1446	0	0	
63	Roll Shop SUBSTATION	A/C		255	1446	0	0	
64	TANDEN MILK REEFER SUBSTATION	A/C		255	1446	0	0	
65	TANDEN MILK REEFER SUBSTATION	A/C		255	1446	0	0	
66	Roll Shop SUBSTATION	A/C		255	1446	0	0	

TRANSFORMERS

District Code	Location	Manufact.	Type PCB	Capacity		Kilograms Removed by Year		
				(Gallons)	(Kilograms)	1978	1979	1980
67	Box ANNEXAL No. 4 SUBSTATION	A/C	ARMED	255	1446	0	0	
68	Box ANNEXAL No. 3 SUBSTATION	A/C		210	1202	0	0	
69	Box ANNEXAL No. 3 SUBSTATION	A/C		210	1171	0	0	
70	Box ANNEXAL No. 2 SUBSTATION	A/C		210	1202	0	0	
71	Box ANNEXAL No. 2 SUBSTATION	A/C		210	1191	0	0	
72	Box ANNEXAL No. 1 SUBSTATION	A/C		210	1202	0	0	
73	Box ANNEXAL No. 1 SUBSTATION	A/C		210	1191	0	0	
74	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		420	2381	0	0	
75	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		420	2381	0	0	
76	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	
77	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	
78	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	
79	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		1512	8572	0	0	
80	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		1495	8475	0	0	
81	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		1565	8247	0	0	
82	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		1220	1247	0	0	
83	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	
84	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	
85	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		1523	8152	0	0	
86	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		1378	10647	0	0	
87	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		265	1616	0	0	
88	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		265	1616	0	0	
89	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	
90	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	
91	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	
92	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	
93	Box ANNEXAL No. 2 ROOM	G.E.		2386	13527	0	0	
94	Box ANNEXAL No. 2 ROOM	G.E.		2266	13527	0	0	
95	Box ANNEXAL No. 2 ROOM	G.E.		2386	13527	0	0	
96	Box ANNEXAL No. 2 ROOM	G.E.		2356	13527	0	0	
97	Box ANNEXAL No. 2 ROOM	G.E.		2386	13527	0	0	
98	Box ANNEXAL No. 2 ROOM	G.E.		2270	12567	0	0	
99	Box ANNEXAL No. 2 ROOM	G.E.		1923	10901	0	0	
100	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	
101	Box ANNEXAL No. 2 ROOM	WESTINGHOUSE		220	1247	0	0	

TRANSFORMERS

District Code	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	Kilograms Removed by Year		
						1978	1979	1980
102	84" Hot Mill Motor Room	WESTINGHOUSE	PCB	420	2331	0	0	
103	84" Hot Mill Motor Room	WESTINGHOUSE		420	2381	0	0	
104	84" Hot Mill Motor Room	WESTINGHOUSE		220	1247	0	0	
105	84" Hot Mill Motor Room	G.E.		220	1247	0	0	
106	84" Hot Mill Motor Room	WESTINGHOUSE		220	1247	0	0	
107	84" Hot Mill Motor Room	WESTINGHOUSE		220	1247	0	0	
108	84" Hot Mill Motor Room	WESTINGHOUSE		220	1247	0	0	
112	SUBSTATION 123	G.E.		360	2041	0	0	
113	SUBSTATION 123	G.E.		360	2041	0	0	
114	45" Mill Motor Room UPPER LEVEL	WESTINGHOUSE		1160	6576	0	0	
115	45" Mill Motor Room UPPER LEVEL	G.E.		1160	6576	0	0	
116	45" Mill Motor Room UPPER LEVEL	WESTINGHOUSE		1160	6576	0	0	
119	SOUTH END 45" Mill Motor Room	G.E.		330	2154	0	0	
120	SOUTH END 45" Mill Motor Room	G.E.		330	2154	0	0	
121	SOAKING PITS SUBSTATION	G.E.		350	2154	0	0	
122	SOAKING PITS SUBSTATION	G.E.		350	2154	0	0	
136	SUBSTATION 125	ITE		350	1984	0	0	
137	SUBSTATION 126	ITE		350	1984	0	0	
138	SUBSTATION 126	ITE		500	2831	0	0	
139	SUBSTATION 126	ITE		500	2834	0	0	
140	OPEN HEARTH FLOOR	G.E.		330	2041	0	0	
142	SUBSTATION 125	ITE		350	1984	0	0	
143	SUBSTATION 125	ITE		350	1984	0	0	
158	No. 1 PRECIP. No. 4 FIELD-NORTH BANK	WESTINGHOUSE		134	760	0	0	
159	No. 1 PRECIP. No. 3 FIELD-NORTH BANK	WESTINGHOUSE		124	760	0	0	
160	No. 1 PRECIP. No. 2 FIELD-NORTH BANK	WESTINGHOUSE		140	794	0	0	
161	No. 1 PRECIP. No. 1 FIELD-NORTH BANK	WESTINGHOUSE		143	811	0	0	
162	No. 2 PRECIP. No. 4 FIELD-CENTER BANK	WESTINGHOUSE		143	811	0	0	
163	No. 2 PRECIP. No. 3 FIELD-CENTER BANK	WESTINGHOUSE		143	811	0	0	
164	No. 2 PRECIP. No. 2 FIELD-CENTER BANK	WESTINGHOUSE		140	794	0	0	
165	No. 2 PRECIP. No. 1 FIELD-CENTER BANK	WESTINGHOUSE		137	777	0	0	
166	No. 3 PRECIP. No. 4 FIELD-SOUTH BANK	WESTINGHOUSE		143	811	0	0	
167	No. 3 PRECIP. No. 3 FIELD-SOUTH BANK	WESTINGHOUSE		143	811	0	0	
168	No. 3 PRECIP. No. 2 FIELD-SOUTH BANK	WESTINGHOUSE		140	794	0	0	
169	No. 3 PRECIP. No. 1 FIELD-SOUTH BANK	WESTINGHOUSE	V	137	777	0	0	

TRANSFORMERS

District Code	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	Kilograms Removed by Year		
						1978	1979	1980
170	HUGO	WESTINGHOUSE	INDUST L	125	724	0	0	
173	TAR PUMP HOUSE	WESTINGHOUSE		125	1125	1125	0	
179	No. 112 SUBSTATION	G.E.		120	6236	0	0	
180	No. 112 SUBSTATION	G.E.		1240	1927	0	0	
181	No. 113 SUBSTATION	G.E.		760	1423	0	0	
182	No. 113 SUBSTATION	G.E.		340	1927	0	0	
89	No. 2 SUBSTATION	G.E.		401	2273	0	0	
190	No. 2 SUBSTATION	G.E.		401	2273	0	0	
215	No. 4 PRECIP. No. 5 FIELD - SOUTH BANK	G.E.		113	669	0	0	
216	No. 4 PRECIP. No. 4 FIELD - SOUTH BANK	G.E.		113	669	0	0	
217	No. 4 PRECIP. No. 3 FIELD - SOUTH BANK	G.E.		113	669	0	0	
218	No. 4 PRECIP. No. 2 FIELD - SOUTH BANK	G.E.		113	669	0	0	
219	No. 4 PRECIP. No. 1 FIELD - SOUTH BANK	G.E.		113	669	0	0	1.0 Ht. Volt. Maint.
231	No. 2 COKE PLANT BATTERY SUBSTATION	WESTINGHOUSE		503	2882	0.71	0	
234	No. 2 COKE PLANT BY-PRODUCTS	G.E.		61	346	0	0	
235	No. 2 COKE PLANT	G.E.		61	346	0	0	
236	No. 2 COKE PLANT BY-PRODUCTS	G.E.		420	2603	0	0	
237	No. 2 COKE PLANT BY-PRODUCTS	G.E.		420	2603	0	0	
243	78 HYDRATION	G.E.		260	2041	0	0	
246	750 EXTENSION	WESTINGHOUSE		172	975	0	0	
253	No. 113 SUBSTATION	WESTINGHOUSE		753	4269	0	0	
308A	No. 126 SUBSTATION	ITE		620	4875	0	0	
309A	No. 114 SUBSTATION	WESTINGHOUSE		75	425	0	0	
309B	No. 126 SUBSTATION	ITE		620	4875	0	0	
325	No. 1 POWERHOUSE PRECIPITATOR	G.E.		110	624	0	0	
326	No. 1 POWERHOUSE PRECIPITATOR	G.E.		110	624	0	0	
327	No. 1 POWERHOUSE PRECIPITATOR	G.E.		110	624	0	0	
328	No. 1 POWERHOUSE ✓	G.E.		110	624	0	0	
329	No. 2 POWERHOUSE	G.E.		94	533	0	0	
330	No. 2 POWERHOUSE PRECIPITATOR	G.E.		94	533	0	0	
331	No. 2 POWERHOUSE PRECIPITATOR	G.E.		94	533	0	0	
332	No. 2 POWERHOUSE PRECIPITATOR	G.E.		94	510	0	0	
343	94" HOT MILL MOTOR ROOM	WESTINGHOUSE		531	2010	0	0	
344	94" HOT MILL MOTOR ROOM	WESTINGHOUSE	✓	220/370	1247	0	0	
345	No. 1 PICKLE LINE	G.E.		460	2308	0	0	

10,295

TRANSFORMERS

Kilograms Removed by Year

District Code	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	1978	1979	1980
346A	No. 1 House Line	G.E.	Actual	522	2346	0	0	0
346B	Distric Office (Kitchen Street)	G.E.		230	1644	0	0	0
347	S.F. Storehouse - Ser. No. 75F3821	Westinghouse		140	794	0	0	0
348	S.F. Storehouse - Ser. No. 75F3862	Westinghouse		144	817	0	0	0
349	Hugo Storehouse - Ser. No. 25276-71P	G.E.		113	669	0	0	0
350	HUGO "STORAGE" RECIP. SER. No. 4322091-432	G.E.		134	760	0	0	0
351	No. 2 Pumphouse Recip. Stryd 37	G.E.		110	624	0	0	0
352	No. 2 Pumphouse Recip. Stryd 37	G.E.		110	624	0	0	0
355	Hugo	G.E.		113	669	0	0	0
356	Hugo	Westinghouse		140	794	0	0	0
357	HUGO	Westinghouse		144	817	0	0	0
358	HUGO	G.E.	↓	113	669	0	0	0

LARGE CAPACITORS

Voltage: H - High; L - Low

Kilograms Removed by Year

District Code	Volt.	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	1978	1979	1980
SP 1	H	45" MILL MTR. PH. 2000 WRM	G.E.	ASKAREL	6	34	0	0	
SP 2	H	45" MILL No. 1 SCARPER PUMP	G.E.		0.82	4.6	0	0	
SP 3	H	45" MILL 'A' SET	G.E.		0.82	4.6	0	0	
SP 4	H	45" MILL 'B' SET	G.E.		0.82	4.6	0	0	
SP 5	H	45" MILL 'C' SET	G.E.		0.82	4.6	0	0	
SP 6	H	45" MILL 'D' SET	G.E.		0.82	4.6	0	0	
SP 7	H	45" MILL MAIN EXHAUST	G.E.		0.82	4.6	0	0	
SP 8	H	45" MILL No. 2 SCARPER PUMP	G.E.		0.82	4.6	0	0	
SP 9	H	No. 2 SUBSTA. AIR COMPRESSOR No. 1	G.E.		0.82	4.6	0	0	
SP 10	H	No. 2 SUBSTA. SCARPER PUMP No. 1	G.E.		0.82	4.6	0	0	
SP 11	H	No. 2 SUBSTA. 24KV MS SET	G.E.		0.82	4.6	0	0	
SP 12	H	No. 2 SUBSTA. AIR COMPRESSOR No. 2	G.E.		0.82	4.6	0	0	
SP 13	H	No. 2 SUBSTA. SCARPER PUMP No. 2	G.E.		1.5	3.5	0	0	
SP 14	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 15	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 16	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 17	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 18	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 19	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 20	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 21	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 22	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 23	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 24	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 25	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 26	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 27	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 28	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 29	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 30	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 31	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 32	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 33	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 34	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	
SP 35	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	3.5	0	0	

LARGE CAPACITORS

Voltage: H - High; L - Low

Kilograms Removed by Year

District Code	Volt.	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	1978	1979	1980
SP 36	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.	INTER.	1.5	8.5	0	0	
SP 37	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 38	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 39	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 40	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 41	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 42	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 43	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 44	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 45	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 46	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 47	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 48	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 49	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 50	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 51	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 52	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 53	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 54	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 55	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 56	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 57	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 58	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 59	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 60	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 61	L	SUBSTA. 115 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 62	L	SUBSTA. 114 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 63	L	SUBSTA. 114 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 64	L	SUBSTA. 114 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 65	L	SUBSTA. 114 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 66	L	SUBSTA. 114 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 67	L	SUBSTA. 114 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 68	L	SUBSTA. 114 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 69	L	SUBSTA. 114 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	
SP 70	L	SUBSTA. 114 No. 1 COKE PLANT	G.E.		1.5	8.5	0	0	

LARGE CAPACITORS

Voltage: H - High; L - Low

Kilograms Removed by Year

District Code	Volt.	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	1978	1979	1980
SP 71	L	Substa. 114 No. 1 Core Plant	G.E.	Aspirel	1.5	2.5	0	0	
SP 72	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 73	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 74	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 75	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 76	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 77	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 78	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 79	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 80	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 81	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 82	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 83	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 84	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 85	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 86	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 87	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 88	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 89	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 90	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 91	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 92	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 93	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 94	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 95	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 96	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 97	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 98	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 99	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 100	L	Substa. 114 No. 1 Core Plant	G.E.		1.5	2.5	0	0	
SP 101	H	No. 1 Transformer Substation	Westinghouse		2	11.3	0	0	
SP 102	H	No. 1 Transformer Substation	Westinghouse		2	11.3	0	0	
SP 103	H	No. 1 Transformer Substation	Westinghouse		2	11.3	0	0	
SP 104	H	No. 2 Transformer Substation	Westinghouse		2	11.3	0	0	
SP 105	H	No. 2 Transformer Substation	Westinghouse		2	11.3	0	0	

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Kilograms Removed by Year.

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Journal of Management Education

Voltage: H - High; L - Low

LARGE CAPACITORS

Kilograms Removed by Year

District Code	Volt.	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	1978	1979	1980
SM 1	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE	Assembled	1	5.7	0	0	
SM 2	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 3	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 4	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 5	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 6	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 7	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 9	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 10	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 11	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 12	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 13	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 14	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 15	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 16	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 17	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 18	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 19	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 20	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 21	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 22	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 23	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 24	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 25	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 26	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 27	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 28	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 29	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 30	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 31	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 32	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 33	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 34	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 35	H	72" TANDEN MILK STORE ROOM	WESTINGHOUSE		1	5.7	0	0	

LARGE CAPACITORS

Voltage: H - High; L - Low

Kilograms Removed by Year

District Code	Volt.	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	1978	1979	1980
SM 36	H	84" TANDEM MILL SYSTEM E	WESTINGHOUSE	ASKAREL	1	5.7	0	0	
SM 37	H	84" TANDEM MILL SYSTEM E	WESTINGHOUSE		1	5.7	0	0	
SM 39	H	84" TANDEM MILL SYSTEM D	WESTINGHOUSE		1	5.7	0	0	
SM 40	H	84" TANDEM MILL SYSTEM D	WESTINGHOUSE		1	5.7	0	0	
SM 41	H	84" TANDEM MILL SYSTEM D	WESTINGHOUSE		1	5.7	0	0	
SM 42	H	84" TANDEM MILL SYSTEM A	WESTINGHOUSE		1	5.7	0	0	
SM 43	H	84" TANDEM MILL SYSTEM A	WESTINGHOUSE		1	5.7	0	0	
SM 44	H	84" TANDEM MILL SYSTEM A	WESTINGHOUSE		1	5.7	0	0	
SM 45	H	84" TANDEM MILL SYSTEM B	WESTINGHOUSE		1	5.7	0	0	
SM 46	H	84" TANDEM MILL SYSTEM B	WESTINGHOUSE		1	5.7	0	0	
SM 47	H	84" TANDEM MILL SYSTEM B	WESTINGHOUSE		1	5.7	0	0	
SM 48	H	84" TANDEM MILL SYSTEM B	WESTINGHOUSE		1	5.7	0	0	
SM 49	H	84" TANDEM MILL SYSTEM B	WESTINGHOUSE		1	5.7	0	0	
SM 50	H	84" TANDEM MILL SYSTEM E	WESTINGHOUSE		1	5.7	0	0	
SM 51	H	84" TANDEM MILL SYSTEM C	WESTINGHOUSE		1	5.7	0	0	
SM 52	H	84" TANDEM MILL SYSTEM C	WESTINGHOUSE		1	5.7	0	0	
SM 53	H	84" TANDEM MILL SYSTEM C	WESTINGHOUSE		1	5.7	0	0	
SM 54	H	84" TANDEM MILL SYSTEM C	WESTINGHOUSE		1	5.7	0	0	
SM 55	H	ZINC LINE MOTOR ROOM	AAF		2	11.3	0	0	
SM 56	H	ZINC LINE MOTOR ROOM	AAF		2	11.3	0	0	
SM 57	H	ZINC LINE MOTOR ROOM	AAF		2	11.3	0	0	
SM 58	H	ZINC LINE MOTOR ROOM	AAF		2	11.3	0	0	
SM 59	H	ZINC LINE MOTOR ROOM	AAF		2	11.3	0	0	
SM 60	H	ZINC LINE MOTOR ROOM SINTER	AAF		2	11.3	0	0	
SM 61	H	75" HALLIDAY SPINNING MOTOR ROOM	AAF		1	5.7	0	0	
SM 62	H	1/2" LINE MOTOR ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 63	H	1/2" LINE MOTOR ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 64	H	1/2" LINE MOTOR ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 65	H	1/2" LINE MOTOR ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 66	H	80" TEMPER MILL MOTOR ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 67	H	80" TEMPER MILL MOTOR ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 68	H	93" HOT MILL MOTOR ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 69	H	93" HOT MILL MOTOR ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 70	H	93" HOT MILL MOTOR ROOM	WESTINGHOUSE		1	5.7	0	0	
SM 71	H	93" HOT MILL MOTOR ROOM	WESTINGHOUSE		1	5.7	0	0	

LARGE CAPACITORS

Voltage: H - High; L - Low S - Storage

Kilograms Removed by Year

District Code	Volt.	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	1978	1979	1980
SM 72	H	93' Hot Hvac Room	WESTINGHOUSE	PERFECT	1	5.7	0	0	
SM 73	H	93' Hot Hvac Room	WESTINGHOUSE			5.7	0	0	
SM 75	H	93' Cold Hvac Room	WESTINGHOUSE		2.0	11.3	0	0	
SM 76	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 77	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 78	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 79	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 80	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 81	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 82	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 83	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 84	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 85	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 86	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 87	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 88	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 89	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 90	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 91	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 92	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 93	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 94	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 95	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 96	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 97	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 98	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 99	H	93' Cold Hvac Room	G.E.		1.4	7.9	0	0	
SM 100	H	93' Cold Hvac Room	G.E.		1	5.7	0	0	
SM 101	H	93' Cold Hvac Room	WESTINGHOUSE		1	5.7	0	0	
SM 102	H	93' Cold Hvac Room	WESTINGHOUSE		1	5.7	0	0	
SM 103	H	93' Cold Hvac Room	WESTINGHOUSE		1	5.7	0	0	
SM 104	H	93' Cold Hvac Room	WESTINGHOUSE		1	5.7	0	0	
SM 105	H	93' Cold Hvac Room	WESTINGHOUSE		1	5.7	0	0	
SM 106	H	93' Cold Hvac Room	WESTINGHOUSE		1	5.7	0	0	

LARGE CAPACITORS

Voltage: H - High; L - Low S - SURGE

Kilograms Removed by Year

District Code	Volt.	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	1978	1979	1980
SM 107	H	84" Hot Mill M.R. North Stanley	WESTINGHOUSE	ASKAREL	1	5.7	0	0	
SM 108	H	84" Hot Mill M.R. North Stanley	WESTINGHOUSE		1	5.7	0	0	
SM 109	H	84" Hot Mill M.R. South Stanley	WESTINGHOUSE		1	5.7	0	0	
SM 110	H	84" Hot Mill M.R. South Stanley	WESTINGHOUSE		1	5.7	0	0	
SM 111	H	84" Hot Mill M.R. South Stanley	WESTINGHOUSE		1	5.7	0	0	
SM 112	H	84" Hot Mill M.R. South Stanley	WESTINGHOUSE		1	5.7	0	0	
SM 113	H	84" Hot Mill M.R. South Stanley	WESTINGHOUSE		1	5.7	0	0	
SM 114	H	84" Hot Mill M.R. South Stanley	WESTINGHOUSE		1	5.7	0	0	
SM 115	H	84" Hot Mill M.R. South Stanley	WESTINGHOUSE		1	5.7	0	0	
SM 116	H	84" Hot Mill M.R. South Stanley	WESTINGHOUSE		1	5.7	0	0	
SM 117	H-S	84" Hot Mill M.R. - VSB	G.E.		1.4	7.9	0	0	
SM 118	H-S	84" Hot Mill M.R. - R1	G.E.		1.4	7.9	0	0	
SM 119	H-S	84" Hot Mill M.R. - R2	G.E.		1.4	7.9	0	0	
SM 120	H-S	84" Hot Mill M.R. - R3	G.E.		1.4	7.9	0	0	
SM 121	H-S	84" Hot Mill M.R. - R4	G.E.		1.4	7.9	0	0	
SM 122	H-S	84" Hot Mill M.R. - R6	G.E.		1.4	7.9	0	0	
SM 123	H-S	84" Hot Mill M.R. - No. 1 Descale	G.E.		1.4	7.9	0	0	
SM 124	H-S	84" Hot Mill M.R. - No. 2 Descale	G.E.		1.4	7.9	0	0	
SM 125	H-S	84" Hot Mill M.R. - No. 3 Descale	G.E.		1.4	7.9	0	0	
SM 126	H-S	84" Hot Mill M.R. - No. 4 Descale	G.E.		1.4	7.9	0	0	
SM 127	H-S	84" Hot Mill M.R. - No. 5 Descale	G.E.		1.4	7.9	0	0	
SM 128	H-S	84" H.M.M.R. - No. 1 Fan Cooling Fan	G.E.		1.4	7.9	0	0	
SM 129	H-S	84" H.M.M.R. - No. 2 Fan Cooling Fan	G.E.		1.4	7.9	0	0	
SM 130	H-S	84" H.M.M.R. - No. 3 Fan Cooling Fan	G.E.		1.4	7.9	0	0	
SM 131	H-S	84" H.M.M.R. - Four Exhaust Fan	G.E.		1.4	7.9	0	0	
SM 132	H-S	84" H.M.M.R. - No. 1 Roll Cooling Pump	G.E.		1.4	7.9	0	0	
SM 133	H-S	84" H.M.M.R. - No. 2 Roll Cooling Pump	G.E.		1.4	7.9	0	0	
SM 134	H-S	84" H.M.M.R. - No. 3 Roll Cooling Pump	G.E.		1.4	7.9	0	0	
SM 135	H-S	84" H.M.M.R. - No. 4 Roll Cooling Pump	G.E.		1.4	7.9	0	0	
SM 136	H-S	84" H.M.M.R. - No. 1 Roll Cooling Pump	G.E.		1.4	7.9	0	0	
SM 137	H-S	84" H.M.M.R. - No. 2 Roll Cooling Pump	G.E.		1.4	7.9	0	0	
SM 138	H-S	84" H.M.M.R. - No. 3 Fan Cooling Fan	G.E.		1.4	7.9	0	0	
SM 139	H-S	84" H.M.M.R. - No. 1 Air Cooling Fan	G.E.		1.4	7.9	0	0	
SM 140	H-S	84" H.M.M.R. - No. 2 Air Cooling Fan	G.E.		1.4	7.9	0	0	
SM 141	S	84" 2nd Mill Sulfur N.G. Set	G.E.	✓	1.4	7.9	0	0	

LARGE CAPACITORS

Voltage: H - High; L - Low

Kilograms Removed by Year

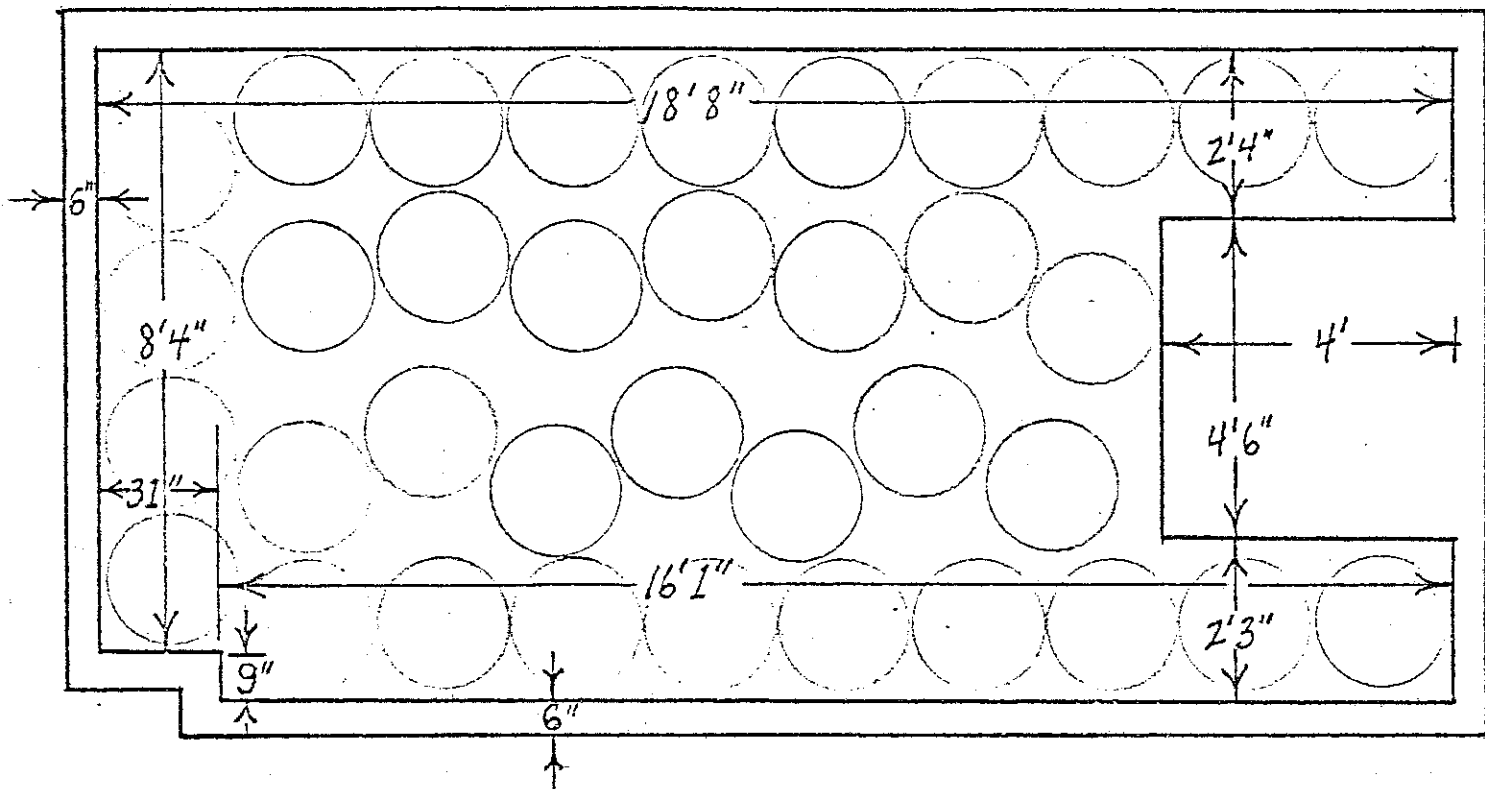
District Code	Volt.	Location	Manufact.	Type PCB	Capacity (Gallons)	Capacity (Kilograms)	1978	1979	1980
SM 142	H-S	54 Cold Mill Power Entry NG Set	G.E.	ASKAREL	1.4	7.9	0	0	
SM 143	H-S	81 Cold Mill Power Entry NG Set	G.E.		1.4	7.9	0	0	
SM 144	H-S	54 Cold Mill Power Entry NG Set	G.E.		1.4	7.9	0	0	
SM 145	H-S	54 Cold Mill No. 1 Power Entry NG Set	G.E.		1.4	7.9	0	0	
SM 146	H-S	54 Cold Mill No. 2 Power Entry NG Set	G.E.		1.4	7.9	0	0	
SM 147	H-S	93 H.M.R. No. 1 M NG SET	G.E.		2	11.3	0	0	
SM 148	H-S	93 H.M.R. No. 2 M NG SET	G.E.		2	11.3	0	0	
SM 149	H-S	98 H.M.R. No. 3 M NG SET	G.E.		2	11.3	0	0	
SM 150	H-S	93 H.M.R. Roughing Side Breaker	G.E.		2	11.3	0	0	
SM 151	H-S	93 H.M.R. No. 2 Roughing Mill	G.E.		2	11.3	0	0	
SM 152	H-S	93 H.M.R. No. 3 Roughing Mill	G.E.		2	11.3	0	0	
SM 153	H-S	98 H.M.R. No. 4 Roughing Mill	G.E.		2	11.3	0	0	
SM 154	H-S	93 H.M.R. Rotary Crop Shears	G.E.		1	5.7	0	0	
SM 155	H-S	93 H.M.R. Ciler NG Set	G.E.		1	5.7	0	0	
SM 156	H-S	78 Cold Mill Complex No. 3 M NG SET	G.E.		2	11.3	0	0	
SM 157	H-S	78 Cold Mill Complex No. 4 M NG SET	G.E.		2	11.3	0	0	
SM 158	H-S	98 CMC No. 3 Power Entry NG SET	G.E.		2	11.3	0	0	
SM 159	H-S	98 CMC No. 4 Power Entry NG SET	G.E.		2	11.3	0	0	
SM 160	H-S	98 CMC No. 2 Power Entry NG SET	G.E.		2	11.3	0	0	
SM 161	H-S	93 CMC No. 2 Power Entry NG SET	G.E.		2	11.3	0	0	
SM 162	H-S	72 Tandem Mill No. 1 NG SET	G.E.		2	11.3	0	0	
SM 163	H-S	72 Tandem Mill No. 2 NG SET	G.E.		2	11.3	0	0	
SM 164	H-S	84 Hot Mill No. 1 Wheeler Hot Pump	G.E.		1.4	7.9	0	0	
SM 165	H-S	84 Hot Mill No. 2 Wheeler Hot Pump	G.E.		1.4	7.9	0	0	
SM 166	H-S	84 Hot Mill No. 3 Wheeler Hot Pump	G.E.		1.4	7.9	0	0	
SM 167	H-S	84 Hot Mill No. 4 Wheeler Hot Pump	G.E.		1.4	7.9	0	0	
SM 168	H-S	98 Hot Mill Motor Room No. 5 Stair	G.E.		2	11.3	0	0	
SM 169	H-S	98 Hot Mill Motor Room No. 4 Stair	G.E.		1	5.7	0	0	
SM 170	H-S	93 Cold Mill No. 1 Power Entry NG SET	G.E.		1	5.7	0	0	
SM 171	H-S	78 Cold Mill No. 1 Power Entry NG SET	G.E.		1	5.7	0	0	
SM 172	H-S	75 Palden Shears NG SET	G.E.		1	5.7	0	0	
SM 173	H-S	80 Temper Mill NG SET	G.E.		1	5.7	0	0	

Kilograms Removed by Year

[illegible]

P.C.B. STORAGE FOR DISPOSAL SIGHT

LOCATION: REPUBLIC STEEL CORP. - CLEVELAND DISTRICT
HUGO STORAGE BLDG.



TOTAL INSIDE CONTAINMENT VOLUME: 559.64 GALS.

TOTAL INSIDE AREA: 149.60 SQ. FT. (21,545 SQ. IN.)

LEGAL CONTAINMENT VOLUME: 2238.56 GALS.

TOTAL NUMBER 55 GAL. DRUMS: 40.7 DRUMS (PER VOLUME)

TOTAL NUMBER DRUM STORAGE: 36 DRUMS (ACTUAL SPACE)

TOTAL STORAGE VOLUME: 1980 GALS.

4-1-80
117112



U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF INSPECTION

ADI SS (Regional Office)

Region V, 230 So. Dearborn St.
Chicago, Illinois

DATE

4/24/91

HOUR

10:20

A.M.
P.M.

NAME OF INDIVIDUAL

LARRY AQUINO

TITLE

SUPERINTENDENT OF

FIRM NAME

REPUBLIC STEEL CORPORATION
CLEVELAND DISTRICT

FIRM ADDRESS (Number, Street, City, State and Zip Code)

CLEVELAND, OHIO

SIGNATURE OF EPA EMPLOYEE

David C. Watson

TITLE

PHYSICAL SCIENTIST

REASON FOR INSPECTION

☒ For the purpose of inspecting (including taking samples, photographs, and other inspection activities) an establishment, facility, or other premises in which chemical substances or mixtures or articles containing same are manufactured, processed or stored, or held before or after their distribution in commerce (including records, files, papers, processes, controls, and facilities) bearing on whether the requirements of the Act applicable to the chemical substances, mixtures or articles within or associated with such premises have been complied with.

☒ For the purpose of inspecting (including taking samples, photographs and other inspection activities) a conveyance being used to transport chemical substances, mixtures, or articles containing same in connection with their distribution in commerce (including records, files, papers, processes, controls and facilities) bearing on whether the requirements of the Act applicable to the chemical substances, mixtures or articles within or associated with the conveyance have been complied with.

☐ In addition, this inspection extends to (circle appropriate letters):

A) Financial data

B) Sales data

C) Pricing data

D) Personnel data

E) Research data

The nature and extent of inspection of such data specified in A through E above is as follows:



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

Facility Inspected: REPUBLIC STEEL CORPORATION
CLEVELAND DISTRICT
CLEVELAND, OHIO
Date(s) Inspected:

Name of Person at the facility
to Whom this notice given:

LARRY ACQUIER
SUPERINTENDENT OF
ENVIRONMENTAL CONTROL
Title

Name of Chief Officer
of business:

Name of EPA Inspector:
DANIEL C. WATSON

Date mailed to Chief
Officer:

Address:
25089 CENTER RIDGE RD.
WESTLAKE, OHIO 44145

It is possible that EPA will receive public requests for release of the information obtained by inspectors during inspection of the facility indicated above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FOIA), 5 U.S.C. 552, EPA regulations issued thereunder, 40 CFR Part 2, and the Toxic Substances Control Act Section 14. EPA is required to make inspection data available in response to FOIA requests unless the Administrator of the agency determines that the data contains information entitled to confidential treatment.

In order to facilitate the Agency's timely response to any public inquiries, while giving due consideration to your company's right to request confidentiality, please provide us with a statement specifying any information which our inspection of the above indicated facility may reveal which you believe should be entitled to confidential treatment.

Your statement should be addressed to Mr. Paul Meriage, Toxic Substances Office, address above and should reach this address no later than 30 days after receipt of this notice. Failure by your firm to submit, within the 30 day time period, a written request that information be characterized as confidential or privileged will be treated by EPA as a waiver by your company of any claims for confidentiality regarding the inspection data and the data will be made available to the public without further notice to you.

Signature of Plant Manager or Chief Officer of Business

Lawrence Acquier Date 4/28/81
Asst. Environmental Control Dept.
Title



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

RECEIPT FOR SAMPLES AND DOCUMENTS

DATE 4/22/81

Name of Individual

Title

DALE PARTER

Firm Name

Address (Street, City, State, - Zip Code)

REPUBLIC STEEL CORPORATION

CLEVELAND DISTRICT
CLEVELAND, OHIO

Sample Number(s)

81EW03

Samples Collected (Describe fully, List source, location, and other positive identification)
The following samples and documents were collected by the U.S. Environmental Protection Agency and receipt is hereby acknowledged pursuant to Section 11 of the Toxic Substances Control Act (TSCA, 15 USC 2601 et seq.).

81EW04 501

WASTE OIL

SUMP

12:00

81EW04 502

HYDRAULIC

SYSTEM COKE

BATTERY # 7300K

1300

ACKNOWLEDGEMENT OF COMPANY - The undersigned acknowledges that the samples and documents shown above were obtained from the sources indicated.

Signature (Owner, Operator, or Agent)

Title (Owner, Operator, or Agent)

W. L. Parter

EMC/RJA/PCB SUPV.



Duplicate samples requested and provided



Duplicate Samples Not Requested

Name of Collector (Print or Type)

Title of Collector

Signature of Collector

Tom Watson

Physical Scientist

PCB COMPLIANCE INSPECTION REPORT

SECTION A. FACILITY SUMMARY

Name and address of facility (include county, state, and zip code)

REPUBLIC STEEL CORPORATION

CLEVELAND DISTRICT

CLEVELAND, OHIO

Responsible Official

Larry Agnew

Dale Pappick

Facility Representative

William Moses

Title

Superintendent of
Environmental Control

Solid Waste Management

Engineer

Title

SPCC/RSB/PCB

Phone

(216)

622-5000

(216)

622-5000

Phone

(216) 622-5000

SECTION B. INSPECTION/REVIEW

Signatures

Inspected by

Daniel C. Watson

Agency

U.S. EPA

Date

April 28, 1981

Inspected by

Reviewed by

SECTION C. INVENTORY

1. As of July 2, 1978, did facility contain in service, stored for future use, or stored for disposal:

- a. 50 or more large high or low voltage capacitors? YES ☒ NO ☐ N/A* ☐ C/A** ☐
- b. 1 or more PCB transformers? YES ☒ NO ☐ N/A ☐ C/A ☐
- c. 45 kgs (99.4 lbs) or more PCB chemical substances or PCB mixtures? YES ☐ NO ☒ N/A ☐ C/A ☐

*Not applicable

**Comments attached

2. Does the facility use large capacitors?

YES ☒ NO ☐ N/A ☐ C/A ☐

(If yes, characterize below.)

a. Large High Voltage

1) Total number of large high voltage PCB capacitors

193

2) List number, size, location, and type of large high voltage capacitors below:

No.	Size	Type	Kg PCBs Each	Area Located	No. Properly Marked	No. in Service	No. Stored for Use	No. Stored for Disposal
INVENTORY ATTACHED								

3) Total number of large, high voltage non-PCB capacitors

0

b. Large Low Voltage

1) Total number of large, low voltage PCB capacitors

90

2) List number, size, and type of large low voltage capacitors

No.	Size	Type	Kg PCBs Each	Area(s) Located	No. Properly Marked	No. in Service	No. Stored for Use	No. Stored for Disposal
INVENTORY ATTACHED.								

3) Total number of large, low voltage non-PCB capacitors 0

c. Other Capacitors

1) Total number of other capacitors with PCBs 151

2) List of other capacitors

No.	Size	Type	Each	Area (s)	No. in	No.
					Service	Stored
					for Use	for Disposal
		N/A				

3) Total number of other non-PCB capacitors 0

3. Does the facility use or store PCB transformers?

(If yes, characterize below)

YES ☒ NO ☐ N/A ☐ C/A ☐

151 TRANSFORMERS

No.	Size	Type	Each	Kg/Gal of PCBs or Mixtures Properly Marked	No. in Area(s) Located	No. in Service	No. Stored	No. Stored for Disposal
-----	------	------	------	--	------------------------	----------------	------------	-------------------------

INVENTORY ATTACHED

4. Does the facility contain other PCBs, PCB equipment (e.g., electromagnets, electric motors, hydraulic systems, heat transfer systems, compressors), or containers of PCBs or PCB mixtures?

YES ☒ NO ☐ N/A ☐ C/A ☐

38 Hydraulic Systems

11. Reactors

(If yes, characterize below)

<u>Item</u>	<u>Kg PCB/ Gal. Liquid</u>	<u>Size</u>	<u>No. Properly Marked</u>	<u>No. in Service</u>	<u>No. Stored for Use</u>	<u>No. Stored for Disposal</u>
-------------	------------------------------------	-------------	------------------------------------	---------------------------	-----------------------------------	--

INVENTORY ATTACHED FOR REACTORS

TABLE OF HYDRAULIC SYSTEMS ATTACHED

5. Based on the above inventory, what is the estimated amount of PCB chemical substances or PCB mixtures in service or stored for disposal at this facility?

In Service 429,396.40 (kgs)

In Storage for Use 0 (kgs)

In Storage for Disposal 1615.95 (kgs) *5-55 gal.
41-30 gal.*

Total 431,012.35 (kgs)

6. Were there observations of leaks or spills or any signs of improper disposal of PCB substances or mixtures?
(If yes, document and sample.) YES NO X N/A C/A

7. Was there any indication that waterways in the vicinity have been contaminated by spills, leaks, or improper disposal?
(If yes, document and sample.) YES NO X N/A C/A

8. Were samples collected for analysis of PCB residual concentration?
YES X NO NO N/A C/A

SECTION D. STORAGE AND HANDLING

1. Location:

a. Does the facility have a storage site for PCBs that is distinguishable from non-PCB storage sites? YES ☒ NO ☐ N/A ☐ C/A ☐

b. If the storage site is not within the boundary of the facility, give the site's name and address. _____

2. Physical requirements: Do sites where PCBs are stored:

a. Provide protection from rainfall? YES ☒ NO ☐ N/A ☐ C/A ☐

b. Meet floor requirements with 6-inch continuous curbs? YES ☒ NO ☐ N/A ☐ C/A ☐

c. Meet containment volume requirements? YES ☒ NO ☐ N/A ☐ C/A ☐

1) What is total containment volume of storage site (width x length x height)? 144,60 Ft.³ or 559,64 gallons

2) What is the internal volume of the largest PCB article or container stored within? 55 gallons

3) What is the total internal volume of all containers within the storage site? 285 gallons

o Is item 1) greater than 2 times item 2) YES ☒ NO ☐ N/A ☐ C/A ☐
or 253 of item 3) above? YES ☒ NO ☐ N/A ☐ C/A ☐

- d. Is the area within the curbed area void of drains, valves, expansion joints, or other openings?

YES ☒ NO ☐ N/A ☐ C/A ☐

(If no, document location of opening, drainage path, and ultimate disposal location in log book.)

- e. Is storage site located above the 100 year flood water elevation level?

YES ☒ NO ☐ N/A ☐ C/A ☐

- f. Are storage areas adequately marked? YES ☒ NO ☐ N/A ☐ C/A ☐

3. Containers:

- a. Are all PCB storage containers which are located within storage areas marked and dated?

YES ☒ NO ☐ N/A ☐ C/A ☐

- b. Do PCB containers comply with DOT specifications?

YES ☒ NO ☐ N/A ☐ C/A ☐

4. Storage Site Operations:

- a. Do observations indicate good housekeeping procedures?

YES ☒ NO ☐ N/A ☐ C/A ☐

- b. Are PCB storage containers marked and arranged so they can be located by date?

YES ☒ NO ☐ N/A ☐ C/A ☐

- c. Is moveable equipment decontaminated by approved procedures?

YES ☐ NO ☐ N/A ☒ C/A ☐

- d. Are PCB containers stored and handled in a manner that protects them from accidental breakage or damage?

YES ☒ NO ☐ N/A ☐ C/A ☐

5. Other Storage Areas:

- a. Are any non-leaking PCB articles being stored outside prescribed storage area?

YES ☐ NO ☒ N/A ☐ C/A ☐

Have they been there for fewer than 30 days?

YES ☐ NO ☐ N/A ☒ C/A ☐

b. Are there any large high voltage capacitors next to the storage area?

YES ___ NO ☒ N/A ___ C/A ___

i. Are they on pallets?

YES ___ NO ___ N/A ☒ C/A ___

ii. Is there adequate space within the storage site to contain 10% of the volume of the above mentioned capacitors?

YES ___ NO ___ N/A ☒ C/A ___

SECTION E. DECONTAMINATION

1. Does the facility drain or cleanse PCB transformers or other equipment containing PCB chemical substances or mixtures prior to disposal? ARE NOT DISPOSING OF EQUIPMENT

YES ___ NO ___ N/A ☒ C/A ___

2. Is the drainage and solvent filling site adequate to protect against spills and leaks and consequent contamination of surrounding area and waterways?

YES ___ NO ___ N/A ☒ C/A ___

3. Do solvents to be used for removing PCBs contain less than 0.05% PCBs?

YES ___ NO ___ N/A ☒ C/A ___

4. Was a sample of the solvent that was used for PCB removal obtained?

YES ___ NO ___ N/A ☒ C/A ___

5. Was the rinse volume of the dilutant approximately equal to the container's total volume?

YES ___ NO ___ N/A ☒ C/A ___

6. Are PCB containers completely filled with solvent and allowed to stand for 18 hours before being drained?

YES ___ NO ___ N/A ☒ C/A ___

IF THIS WORK IS DONE IN THE FUTURE IT WILL
DONE BY CONTRACT.

7. Are the drained PCB chemical substances or PCB solvent mixtures properly disposed of or stored? YES ___ NO ___ N/A X C/A ___

8. Are solvents or materials which have been used for decontamination of PCB equipment disposed of or stored in the same manner as PCB mixtures? YES ___ NO ___ N/A X C/A ___

9. If decontamination procedures were not observed during inspection, did facility representatives demonstrate knowledge of proper decontamination procedures? YES ___ NO ___ N/A X C/A ___

10. Does facility have written decontamination procedures? YES ___ NO ___ N/A X C/A ___

SECTION F. RECORDS

1. Are records maintained for PCB articles, substances, or mixtures that are located at the facility? (If no, questions 2-11 in Section F need not be completed.) YES X NO ___ N/A ___ C/A ___

2. Do records indicate:

a. Date of receipt of PCB materials? YES X NO ___ N/A ___ C/A ___

b. Date PCBs are removed from service? YES X NO ___ N/A ___ C/A ___

c. Date PCBs are placed in storage? YES X NO ___ N/A ___ C/A ___

d. Date PCBs are placed in transport for disposal? YES X NO ___ N/A ___ C/A ___

3. Do records indicate:

a. That all PCB articles or PCB containers stored for disposal before January 1, 1983, have been removed from storage and disposed of before January 1, 1984? YES ___ NO ___ N/A X C/A ___

(If no, document in log book.) YES ___ NO ___ N/A X C/A ___

b. That PCBs stored for disposal after January 1, 1983, have been removed from storage and disposed of within one year of the date placed in storage?

(If no, document in log book.) YES NO N/A X C/A

4. Do records indicate the total quantity of PCB articles, substances, or mixtures remaining in service at the end of a calendar year?

YES X NO N/A C/A

a. PCB transformers

1) Quantity 151

2) Weight of PCB substances or mixtures contained in transformers 414,540 kgs.

b. PCB capacitors

1) Quantity Large high voltage 193 Large low voltage 90

2) Quantity others 0

3) Weight of PCB substances or mixtures contained in capacitors 2165.7 kgs.

c. PCB containers

Weight of PCB substances or mixtures in containers

0 kgs.

5. Do records indicate the total quantity of PCB substances or mixtures in PCB containers not in service?

(If yes, characterize below.) YES X NO N/A C/A

a. Removed from service 1615.95 kgs.

b. Placed in storage for disposal 1615.95 kgs.

c. Placed in transport for disposal 0 kgs.

6. Do records indicate the total quantity of PCB transformers not in service?

(If yes, characterize below.) YES NO N/A X C/A
All in service

a. Removed from service

1) Quantity 0

2) Weight of PCBs contained 0 kgs.

b. Placed in storage for disposal

1) Quantity 0

2) Weight of PCBs contained 0 kgs.

c. Place in transport for disposal

1) Quantity 0

2) Weight of PCBs contained 0 kgs.

7. Do records indicate the total quantity of large high and low voltage capacitors not in service?

YES ___ NO ___ N/A ☒ C/A ___

(If yes, characterize below.)

a. Removed from service 0 kgs.

b. Placed in storage for disposal

1) Quantity High voltage 0 Low voltage 0

2) Weight of PCBs contained 0 kgs.

c. Placed in transport for disposal

1) Quantity High Voltage 0 Low voltage 0

2) Weight of PCBs contained 0 kgs.

8. Do records indicate the location of the initial disposal or storage facility for PCBs removed from service?

(If yes, list location of facility.) YES ☒ NO ___ N/A ___ C/A ___

HUGO STORAGE BLDG.
ON SITE

9. Do records indicate name of owner or operator of disposal or storage facilities?

(If yes, list name of owner or operator.)

YES ☒ NO ☐ N/A ☐ C/A ☐

REPUBLIC STEEL

10. Does annual report include records of disposition of PCB chemicals, articles, and mixtures?

YES ☒ NO ☐ N/A ☐ C/A ☐

11. Does annual report contain:

- a. Date and source of PCB articles, chemicals, and mixtures received?

YES ☒ NO ☐ N/A ☐ C/A ☐

- b. Date and type of articles, chemicals, and mixtures removed from service?

YES ☒ NO ☐ N/A ☐ C/A ☐

- c. Accounting of amount received, amount removed, and amount remaining at facility?

YES ☒ NO ☐ N/A ☐ C/A ☐

12. Are pertinent documents, correspondence, or permits to or from federal, state, or local agencies maintained for a period of five years?

YES ☒ NO ☐ N/A ☐ C/A ☐

13. If owners or operators maintain more than one facility that contains PCBs in the quantities prescribed in A.1., are records and documents kept at a single location?

(If yes, list the location.)

YES ☐ NO ☐ N/A ☒ C/A ☐

14. If facility has closed down storage or disposal operations, has regional administration been properly notified?

YES ☐ NO ☐ N/A ☒ C/A ☐

15. Do facility records for PCBs received, in service, in storage, or disposed of, correspond to inventory data compiled in Section A5? (If no, indicate area of discrepancy.)

YES X NO N/A C/A

APPENDIX 2-2

REGULATION REFERENCE FOR INSPECTION QUESTIONS

<u>Section in Inspection Report Form</u>	<u>Question Number</u>	<u>PCB Disposal and Marking Regulation Reference</u>
<u>A. Inventory</u>		
	1	761.45(a)
	2	761.2 (c)
	3	761.2 (r)
	4	761.2 (s)
	5	-
	6	761.2 (k)
	7	761.2 (k)
<u>B. Storage and Handling</u>		
	1	761.42
	2	761.42(b)
	3	761.20(a), 761.44
	4	761.42(c)
	5	761.42(c)
<u>C. Decontamination</u>		
	1	761.43(a)
	2	761.42(b)
	3	761.43(a)
	4	-
	5	761.43(a)
	6	761.43(a)
	7	761.43(a)
	8	761.43(b)
	9	-
	10	-
<u>D. Records</u>		
	1	761.45(a)(1,2)
	2	761.45(a)(3i)
	3	761.45(a)(3ii)
	4	761.45(a)(3iii)
	5	761.45(a)(2)
	6	761.45(a)(2)

APPENDIX 2-2 (Cont'd)

g. Records (cont'd)

7	761.45(a)
8	761.45(a)
9	761.45(b)
10	761.45(a)
11	761.45(b)
12	-



From

Re: Hazardous Waste
Republic Steel Corp.
Cuyahoga County

M-77

Mr. Lawrence Aguir
Superintendent Environmental Control
Republic Steel Corporation
3100 East 45th Street
Cleveland, Ohio 44127

May 12, 1981

Dear Mr. Aguir:

This letter is written to correct an error which appeared in the April 22, 1981, RCRA inspection report. The Republic Steel Corporation does not have a solvent recovery facility at the 45th Street site in Cleveland.

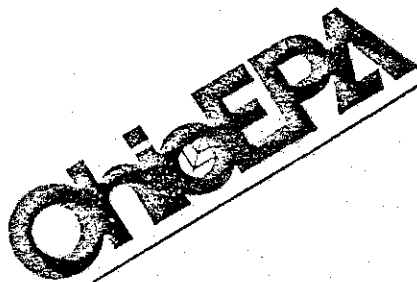
Please forgive the confusion.

Sincerely,

Melinda Merryfield-Becker
Solid Waste Scientist

MMB:mjo

cc: Dale E. Papajcik, Republic Steel, General Offices, Cleveland
Paula Cotter, CO
Brenda Lillstrom, USEPA, Chicago



Re: Hazardous Waste
Republic Steel Corp.
Cuyahoga County

April 22, 1981

Mr. Lawrence Aguiar
Superintendent Environmental Control
Republic Steel Corporation
3100 East 45th Street
Cleveland, Ohio 44127

Dear Mr. Aguiar:

The Ohio Environmental Protection Agency is cooperating with U.S. EPA Region V in carrying out the provisions of the Resource Conservation and Recovery Act of 1976, Public Law 94-580. In this effort, personnel of the Ohio Environmental Protection Agency are conducting inspections of facilities in Ohio that are engaged in the generation, transportation, storage, treatment or disposal of hazardous waste materials.

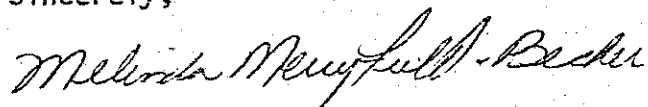
This letter is to inform you that on April 8, 1981, an inspection of Republic Steel Corporation's facility, located at 3100 East 45th Street was conducted by me and Ms. Paula Cotter of the Ohio Environmental Protection Agency. You, Mr. Dale Papajsik and Mr. Tom Krupka represented Republic Steel Corporation. The following concerns pertaining to your facility were noted:

1. Although most of the information required in the operating report is available, this information should be consolidated under one single report as required by 40 CFR Part 265.73.
2. Inspections should be more carefully logged as required by 40 CFR Part 265.15.
3. The SPCC plan should be amended to include hazardous wastes as required by 40 CFR Part 265 Subpart D. However, it was noted that the Job Safety Analyses do much to supplement your SPCC plan.
4. The solvent recovery system is subject to storage requirements since the solvents which are being recovered are listed hazardous wastes. This storage area was not inspected, but you should be aware that it is subject to 40 CFR Part Subpart I and/or J.
5. The status of the Decanter Tar Sludge recycling through the coke batteries is unclear. If Republic Steel is unable to justify the benefit (BTU value etc.) of the recycling, EPA may subject this system to the thermal treatment requirements 40 CFR Part 265 Subpart P.

Republic Steel Corp.
April 22, 1981
Page 2

A copy of this letter and the inspection report will be sent to the U.S. EPA Region V office in Chicago. If you have any questions, please contact me at (216) 425-9171 or Ms. Brenda Lillstrom (312) 886-3899 of U.S. EPA Region V.

Sincerely,



Melinda Merryfield-Becker
Solid Waste Scientist

MMB:mjo

Enclosure

cc: Paula Cotter, CO
Brenda Lillstrom, USEPA, Chicago
Cleveland City Health Dept.

Date: APR 10 1981

Referral Number: OHH-81-37

Region V Site No: OH000010008

HAZARDOUS WASTE REFERRAL

Contacts

Paul Demore
Compliance Section

L. E. Brennan
Engineering Section

Small
Legal Section

Site Name: Republic Steel Corp.

Site Location: 3100 East 45th Street
Cleveland, Ohio

Owner/Operator: Same as above

Permitted Site: FILING FOR PART A UNDER RCRA

Permit Number & Issue Date (if applicable):

Apparent Violations:

POTENTIAL TOSHA CASE

PCB STORAGE (500, 1000 PPM)

List Supporting Documentation
(MDR's, Letters, Reports, Phone Memos, Field Surveys, Photographs, etc.)

1. Copy of Hazardous waste committee comments
2. Letter from Rich Shandor to Dave Jamm dated Feb. 18, 1981
3. memo from Eugene Meyer dated Feb. 18, 1981
4. Letter from Republic Steel dated Feb. 2, 1981
5. Letter from Republic Steel dated Jan. 19, 1981

List Previous violations and subsequent action taken:

Compliance Section Recommendations:

committee recommended this case be directed to
Mike Walker for possible case development

Technical Evaluation and Action Development
(To be filled out by Engineering Section)

Date Received: _____

Assigned to: _____

Date Evaluation and Action Development
to be Completed: _____

Additional Contacts/Documentation Developed
(including phone memos to or from permittee and to or from State):

Engineering Section Recommendation:

Specify, Develop and Attach Action Documents:
(including cover memos)

Legal Evaluation
(To be filled out by Legal Section)

Date Received: _____

Assigned to: _____

Date Review to be Completed: _____

Additional Contacts/Documentation Developed
(including phone memos to or from permittee and to or from State):

Legal Section Recommendation:

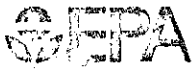
REMARKS
(To be filled out as appropriate)

ACTION INITIATED
(To be filled out by Compliance Section)

TYPE OF ACTION: _____

Date INITIATED: _____

DATE CLOSED OUT: _____



POTENTIAL HAZARDOUS WASTE SITE
FINAL STRATEGY DETERMINATION

REGION SITE NUMBER

File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking
Team; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME <i>Republic Steel</i>	B. STREET <i>3100 East 45th Street</i>	
C. CITY <i>Cleveland</i>	D. STATE <i>Ohio</i>	E. ZIP CODE

II. FINAL DETERMINATION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY			
		EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED	X	X			
B. REMEDIAL ACTION NEEDED, BUT NO RESOURCES AVAILABLE (If yes, complete Section III.)					
C. REMEDIAL ACTION (If yes, complete Section IV.)					
D. ENFORCEMENT ACTION (If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)					

E. RATIONALE FOR FINAL STRATEGY DETERMINATION

Case referred to Topic for follow-up

F. IF A CASE DEVELOPMENT PLAN HAS BEEN PREPARED, SPECIFY
THE DATE PREPARED (mo., day, & yr.)

G. IF AN ENFORCEMENT CASE HAS BEEN FILED, SPECIFY THE
DATE FILED (mo., day, & yr.)

H. PREPARER INFORMATION

1. NAME <i>J. Rogers</i>	2. TELEPHONE NUMBER <i>886-6714</i>	3. DATE (mo., day, & yr.) <i>7/8/81</i>
-----------------------------	--	--

III. REMEDIAL ACTIONS TO BE TAKEN WHEN RESOURCES BECOME AVAILABLE

List all remedial actions, such as excavation, removal, etc. to be taken as soon as resources become available. See instructions
for a list of Key Words for each of the actions to be used in the spaces below. Provide an estimate of the approximate cost of the
remedy.

A. REMEDIAL ACTION	B. ESTIMATED COST	C. REMARKS
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
	\$	
D. TOTAL ESTIMATED COST	\$	

X



POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION

REGION

SITE NUMBER

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

A. SITE NAME <i>Republic Steel</i>		B. STREET (or other identifier) <i>3100 East 45th Street</i>	
C. CITY <i>Cleveland</i>	D. STATE <i>Ohio</i>	E. ZIP CODE	F. COUNTY NAME

G. OWNER/OPERATOR (if known) 1. NAME		2. TELEPHONE NUMBER
---	--	---------------------

H. TYPE OF OWNERSHIP (if known)

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

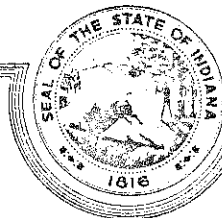
I. SITE DESCRIPTION

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) <i>Cleveland Sweep</i>	K. DATE IDENTIFIED (mo., day, & yr.) <i>11/4/80</i>
--	--

L. SUMMARY OF POTENTIAL OR KNOWN PROBLEM

M. PREPARER INFORMATION 1. NAME <i>S. Logan</i>		2. TELEPHONE NUMBER <i>886-6714</i>	3. DATE (mo., day, & yr.) <i>4/8/81</i>
---	--	--	--

STATE OF INDIANA



INDIANAPOLIS

STATE BOARD OF HEALTH
AN EQUAL OPPORTUNITY EMPLOYER

Address Reply to:
Indiana State Board of Health
1330 West Michigan Street
P. O. Box 1964
Indianapolis, IN 46206

June 30, 1981

Mr. Richard Shandross
State Implementation Officer
U.S. Environmental Protection Agency
Region V
230 South Dearborn
Chicago, IL 60604

RECEIVED

JUL 2 - 1981

WASTE MANAGEMENT BRANCH
HASTINGS
EPA, REGION V

Dear Mr. Shandross:

Re: Manifest Violation Disposition Forms

Enclosed please find Manifest Violation Disposition Forms for the following:

1. Aluminum Company of America, Lafayette, Indiana
2. Republic Steel Corporation, Cleveland, Ohio
3. U.S. Steel Corporation, Fairfield, Alabama
4. Bennett Industrial, Peotone, Illinois

If you have any questions, please contact Mr. Dave Berrey at AC 317/633-0813.

Very truly yours,

Guinn Doyle, Supervisor
Hazardous Waste Program
Solid Waste Management Section
Division of Sanitary Engineering

DBerrey/jb
Enclosure

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: February 18, 1981

SUBJECT: Manifest Exception Reports

FROM: Eugene Meyer, Ph.D. *Eugene Meyer*
Chief, Technical Programs Section

TO: Mariann Baumgartner, Chief
Unit I, Compliance Section

Attached are the following Manifest Reports which have been received by this office, in addition to a copy of the cover letter transmitting copies of these reports to the appropriate States for follow-up.

1. Aluminum Company of America, Lafayette, Indiana
2. Atlas Crankshaft Corporation, Fostoria, Ohio
3. Ford Motor Company, Dearborn, Michigan — *per telecon on 3-6-81 at*
4. ✓ Republic Steel, Cleveland, Ohio *3:55 p.m. with*
5. U. S. Steel Corporation, Fairfield, Alabama *Penny Rosenwinkel,*

Attachments (five)

cc: (without attachments) Dale Bryson
David Kee
Bill Constantelos
Karl Klepitsch

*A+H MD, no
cover ltr. was
sent to MDNR.
MB*



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

MAR 3 10 10 AM '81
SANITARY ENGINEERING
DIVISION
STATE BOARD OF HEALTH

February 18, 1981

Mr. David Lamm
Chief, Solid Waste Management Section
Indiana State Board of Health
Division of Sanitary Engineering
1330 West Michigan Street
Indianapolis, Indiana 46206

Dear Mr. Lamm:

Enclosed please find three Manifest Reports which were received by this office. The original reports are being sent to our Enforcement Division; copies are being forwarded to you for review and follow-up with the disposal facility located in your State.

Sincerely yours,

Richard Shandross
State Implementation Officer

- Enclosures: 1. Aluminum Company of America, Lafayette, Indiana
2. Republic Steel Corporation, Cleveland, Ohio
3. U. S. Steel Corporation, Fairfield, Alabama

MANIFEST VIOLATIONS DISPOSITION FORM

*Type Report

- E = Manifest Exception Report from Generator
- U = Unmanifested Waste Report from TSD Facility
- D = Discrepancy Report from TSD Facility

1. *Type Report: E

2. Reported by:

a. Date of Report FEB 2, 1981

b. Name REPUBLIC STEEL CORPORATION - Environmental Control

Address P.O. Box 6778
Street or Route Number

CLEVELAND OHIO 44101
City or Town State Zip Code

Phone No. 216-622-5915
Area Code & Number

c. EPA I.D. No. OH0 060 409 521

d. Manifest Document No. 014313

3. Date Report Received by State: MARCH 3 1981

4. Description of State follow-up action (including name of State assignee, file data reviewed, person(s) contacted by State, date(s) and type of contact(s), and information obtained):

CALLER D.E. PAPAJUK. TSD HAD OVERLOOKED SENDING BACK GENERATOR COPY OF MANIFEST. WASTE WAS RECEIVED ON DEC 5, 1980. WHEN CALLED REPUBLIC STEEL HAD RECEIVED SIGNED COPY OF MANIFEST. (DAVE BERREY, ISBH) 637-0178

5. List of Supporting Documents Attached: COPY OF MANIFEST
- COPY OF LETTER FROM REPUBLIC STEEL TO BY-PRODUCTS MANAGEMENT.
COPY OF EXCEPTION REPORT.

6. Type of Enforcement Action Recommended by State:

NONE

7. Disposition Form Signed and Dated by State:

Martin Doyle
6/19/81

Republicsteel

Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

February 2, 1981

WL West
Director
WB Tucker Jr.
Assistant to the Director
CM Brown
Assistant Director—Air

Regional Administrator
U.S. Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, Illinois 60604

RECEIVED

FEB 5 1981

WASTE MANAGEMENT BRANCH
EPA, REGION V

Dear Sir:

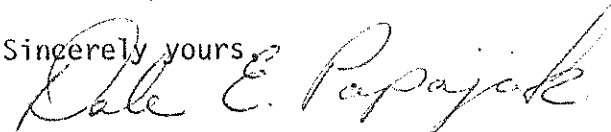
In accordance with 40 CFR Part 262.42(b), Republic Steel Corporation is filing an Exception Report concerning Hazardous Waste Manifest No. 014313.

On December 5, 1980, a shipment of waste hydrochloric acid left the Republic Steel Corporation Mahoning Valley-Warren plant enroute to the By Products Management facility, 1150 Junction Avenue, Schererville, Indiana. This shipment was accompanied by Republic Steel Hazardous Waste Manifest No. 014313.

As of January 9, 1981, Republic Steel had not received a copy of the manifest. By Products Management was then contacted per the attached letter. No reply was received from By Products Management and so they were contacted by phone. The By Products Management representative stated that Republic Steel Hazardous Waste shipment No. 014313 was received on December 5, 1980, and that a disposal facility file copy of Manifest No. 014313 is in their possession. A copy is being forwarded to Republic Steel.

However, since Republic Steel Corporation has not received a copy of Hazardous Waste Manifest No. 014313 within forty-five days of the date the waste was accepted for transporting, this Exception Report is being filed.

Sincerely yours,



D. E. Papajcik
Solid Waste Management Engineer

DEP:nf
Attach.

72
Republicsteel

Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

January 19, 1981

WL West
Director
WB Tucker Jr.
Assistant to the Director
CM Brown
Assistant Director--Air

Mr. Al Tenney — 219-322-2560
By-Products Management
1150 Junction Ave.
Schererville, Indiana 46375

Re: Republic Steel Hazardous Waste Manifest No. 014313 Dec. 12
Dec 21

Republic Steel Corporation is contacting you to determine the status of hazardous waste shipped to you.

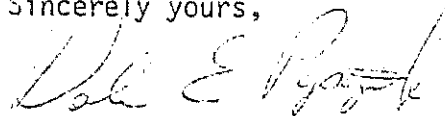
To date Republic Steel has not received a copy of Hazardous Waste Manifest No. 014313 from your disposal facility. In accordance with 40 CFR, Part 262.42, Republic Steel must receive a copy of the manifest with the hand written signature of the owner or operator of the disposal facility within 35 days of the date the waste was accepted by the initial transporter. The 35-day grace period expired on Jan. 9, 1981. If the manifest is not returned by Jan. 29, 1981, Republic must submit an exception report to the United States Environmental Protection Agency.

Republic Steel Corporation would greatly appreciate you reviewing your records and sending us the completed manifest or other official confirmation that the waste, as described in Republic Steel Hazardous Waste Manifest No. 014313, was received by your facility.

If this waste shipment was not received by your facility, or if you encounter any further difficulties in this regard, please contact me immediately at 216/622-5915.

Thank you for your cooperation.

Sincerely yours,



D. E. Papajcik
Solid Waste Management Engineer

DEP:nf

Attach.

bcc: Messrs. W. L. West
J. D. Donohoe
C. Powers
J. C. Yorko
D. E. Kelker

Steel Hazardous Waste Manifest 0143 3

TO BE COMPLETED BY GENERATOR

20- 12-5-80 13:30

PUBLIC STEEL MAHONING VALLEY WARREN 1040 PINE AVE WARREN OH 44481

EPA ID NO
OH0 060 409 521

NUMBER & STREET CITY STATE & ZIP CODE OF ORIGINATING INSTALLATION (LINE 11 OF EPA FORM 8700-12)

1040 PINE AVE WARREN OHIO 44481

AREA CODE & PHONE NO
216 841-8200

IF NAME

PURCHASE ORDER NO. (OPTIONAL)

CONTAINER NO	CONTAINERS AS LOADED TYPE	TOTAL WEIGHT IN POUNDS	COMMON WASTE NAME	D.O.T. PROPER SHIPPING NAME	D.O.T. HAZARD CLASS	D.O.T. HAZARD CODE	D.O.T. ID. NO.	EPA H.W.
A01	TANK TRK	47,800	Spent Pickle Liquor, Hydrochloric	Waste Hydrochloric Acid Solution, Inhibited	Corrosive Material	02	UN-1789	KC
B01	TANK TRK		Spent Pickle Liquor, Sulfuric	Waste Sulfuric Acid, Spent	Corrosive Material	02	UN-1832	KC
C01	TANK TRK		Spent Pickle Liquor, HF Nitric & Sulfuric	Waste Hydrofluoric, Nitric & Sulfuric Acid Mixture			UN-1789	KC
D			Blast Furnace Sludge, Dewatered	Hazardous Waste, Solid N.O.S.	ORM-E	12	NA-9189	FC
E			Coke Plant Tar Decanter Tank Sludge	Hazardous Waste, Solid N.O.S.	ORM-E	12	NA-9189	FC
F			Paint Sludges	Hazardous Waste, Solid N.O.S.	ORM-E	12	NA-9189	FC

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA and other authorized state and local agencies.

GENERATOR SIGNATURE *J. Thallman H.S.E.*

PRINTED *J. Thallman H.S.E.* DATE *12-5-80*

SECTION 2 TO BE COMPLETED BY TRANSPORTER

TRANSPORTER NAME & ADDRESS
Big Products Management
1150 Junction Ave
Richwood, Ind

EPA ID NO
IND02039830

AREA CODE & PHONE NO
219 322-2560

TRANSPORTER NAME & ADDRESS

EPA ID NO

AREA CODE & PHONE NO

GENERATOR DESIGNATED RECEIVING FACILITY NAME & ADDRESS

EPA ID NO

AREA CODE & PHONE NO

GENERATOR DESIGNATED ALTERNATE IF KNOWN

EPA ID NO

AREA CODE & PHONE NO

The Transporter certifies that the material in the above described containers was received and accepted on this date

TRANSPORTER SIGNATURE *Frank Jackson*

PRINTED *FRANK JACKSON*

DATE RECEIVED

SECTION 3 TO BE COMPLETED BY WASTE FACILITY

NAME & ADDRESS OF WASTE FACILITY

MAIL COMPLETED FORM TO

EPA ID NO

AREA CODE & PHONE NO

TYPE OF HAZARDOUS WASTE FACILITY

COMMENTS

☐ TREATMENT ☐ REGENERATION
☐ RECYCLING ☐ STORAGE

REPUBLIC STEEL CORPORATION
MAHONING VALLEY DIST. CONTROLL
1040 PINE AVENUE SE
WARREN OH 44481

The generator certifies that the materials listed on this manifest are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA and other authorized state and local agencies.

WASTE FACILITY SIGNATURE

PRINTED

DATE RECEIVED

2

GATE - FORWARD TO DISTRICT/DIVISION ACCTG.

DATE JAN 27 1981

SUBJECT Request For: PCB Inspection at Republic Steel Corporation,
Cleveland, OhioFROM: William H. Miner, Chief *WHM*
Engineering SectionTO: Rich Winklhofer, Chief
Eastern District Office

Project Objective: To verify if PCB contaminated oil is generated at facility, which is then sold to a re-refiner and bought back. Approximately 30,000 gallons per week are affected. Sampling is requested from locations determined during the inspection to verify and document PCB contamination. Samples of re-refined bought back oil should also be taken. All analysis will be for PCB

Decision Unit B303 Specific Activity CSI Priority 2Desired Completion Date 1-30-81 Authority Law/Section TSCAPrincipal Contact: Michael Mutnan Phone 886-6770

Date:

Subject: Acknowledgment of Receipt of Work Request

From:

To:

 will do the above work (as specified) (with modifications).Target Comp. Date: S&A Project No. Est. Cost S&A Project Leader: Phone

Comments:

I. TYPE & ESTIMATED NUMBER OF SAMPLES

A. GROUND WATER	_____	E. AIR	_____	I. SLUDGE	_____
B. SURFACE WATER	_____	F. SOIL	_____	J. OIL	5
C. RUNOFF/LEACHATE	_____	G. SEDIMENT	_____	K. OTHER	_____
D. WASTE STREAM	_____	H. BARREL	_____		

II. ANALYTICAL ANALYSIS REQUIRED

A. METALS - ICAP _____

BY FLAMELESS AA:

a. LEAD	_____	d. MERCURY	_____
b. ARSENIC	_____	e. CADMIUM	_____
c. SELENIUM	_____	f. HEXAVALENT	_____

g. OTHERS: _____

B. CYANIDES _____

C. ORGANICS

a. BASE NEUTRAL FRACTION (PRIMARY, SUBSTITUTED BENZENES OTHER
THAN PHENOLS) _____

b. PESTICIDE FRACTION AND TRACE CHLORINATED ORGANICS _____

c. PURGEABLE ORGANICS (HIGHLY VOLATILE SOLVENTS) _____

d. ACID FRACTION (PHENOLICS) _____

e. ORGANIC SCAN - SEDIMENTS (HEXANE/ACETONE EXTRACT) _____

f. PCBs X _____

D. ALL NPDES PERMIT PARAMETERS _____

E. OTHER _____

cc: Mitchell, SEA - Tech. Support Br.

_____, DISTRICT OFFICE

CURTIS ROSS, CRL

bcc: Miner
Grimes/Walker

Leder
Reading File

WEM
1/24/91



Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

February 2, 1981

WL West
Director
WB Tucker Jr.
Assistant to the Director
CM Brown
Assistant Director—Air

Regional Administrator
U.S. Environmental Protection Agency
Region V
230 South Dearborn Street
Chicago, Illinois 60604

RECEIVED

FEB 5 1981

WASTE MANAGEMENT BRANCH
EPA, REGION V

Dear Sir:

In accordance with 40 CFR Part 262.42(b), Republic Steel Corporation is filing an Exception Report concerning Hazardous Waste Manifest No. 014313.

On December 5, 1980, a shipment of waste hydrochloric acid left the Republic Steel Corporation Mahoning Valley-Warren plant enroute to the By Products Management facility, 1150 Junction Avenue, Schererville, Indiana. This shipment was accompanied by Republic Steel Hazardous Waste Manifest No. 014313.

As of January 9, 1981, Republic Steel had not received a copy of the manifest. By Products Management was then contacted per the attached letter. No reply was received from By Products Management and so they were contacted by phone. The By Products Management representative stated that Republic Steel Hazardous Waste shipment No. 014313 was received on December 5, 1980, and that a disposal facility file copy of Manifest No. 014313 is in their possession. A copy is being forwarded to Republic Steel.

However, since Republic Steel Corporation has not received a copy of Hazardous Waste Manifest No. 014313 within forty-five days of the date the waste was accepted for transporting, this Exception Report is being filed.

Sincerely yours,

D. E. Papajcik
Solid Waste Management Engineer

DEP:nf

Attach.



Republic Steel Corporation
General Offices: Republic Building
Environmental Control
PO Box 6778
Cleveland OH 44101

January 19, 1981

WL West
Director
WB Tucker Jr.
Assistant to the Director
CM Brown
Assistant Director—Air

Mr. Al Tenney — 219-322-2560
By-Products Management
1150 Junction Ave.
Schererville, Indiana 46375

Re: Republic Steel Hazardous Waste Manifest No. 014313

Dec 12
Dec 21

Republic Steel Corporation is contacting you to determine the status of hazardous waste shipped to you.

To date Republic Steel has not received a copy of Hazardous Waste Manifest No. 014313 from your disposal facility. In accordance with 40 CFR, Part 262.42, Republic Steel must receive a copy of the manifest with the hand written signature of the owner or operator of the disposal facility within 35 days of the date the waste was accepted by the initial transporter. The 35-day grace period expired on JAN. 9, 1981. If the manifest is not returned by JAN. 09, 1981, Republic must submit an exception report to the United States Environmental Protection Agency.

Republic Steel Corporation would greatly appreciate you reviewing your records and sending us the completed manifest or other official confirmation that the waste, as described in Republic Steel Hazardous Waste Manifest No. 014313, was received by your facility.

If this waste shipment was not received by your facility, or if you encounter any further difficulties in this regard, please contact me immediately at 216/622-5915.

Thank you for your cooperation.

Sincerely yours,

D. E. Papajcik
Solid Waste Management Engineer

DEP:nf

Attach.

bcc: Messrs. W. L. West
J. D. Donohoe
C. Powers
J. C. Yorko
D. E. Kelker

SECTION 1 TO BE COMPLETED BY GENERATOR

NAME & ADDRESS OF ORIGINATING INSTALLATION (LINE I & II OF EPA FORM 8700-12)
 REPUBLIC STEEL MAHONING VALLEY WARREN 1040 PINE AVE WARREN OH 44481

NUMBER & STREET (CITY, STATE & ZIP CODE OF ORIGINATING INSTALLATION (LINE III OF EPA FORM 8700-12))
 1040 PINE AVE WARREN OHIO 44481

EP A NAME

EP A ID NO
 OHD-060 409 521

AREA CODE & PHONE NO
 216 841-8200

PURCHASE ORDER NO (OPTIONAL)

CONTAINER NO	CONTAINERS AS LOADED TYPE	TOTAL WEIGHT IN POUNDS	COMMON WASTE NAME	PROPER SHIPPING NAME	D.O.T. HAZARD CLASS	D.O.T. CODE	D.O.T. ID. NO.	EP A H.V.
A	01 TANK TRK	47,800	Spent Pickle Liquor, Hydrochloric	Waste Hydrochloric Acid Solution, Inhibited	Corrosive Material	02	UN-1789	KC
B	01 TANK TRK		Spent Pickle Liquor, Sulfuric	Waste Sulfuric Acid, Spent	Corrosive Material	02	UN-1832	KC
C	01 TANK TRK		Spent Pickle Liquor, HF Nitric & Sulfuric	Waste Hydrofluoric, Nitric & Sulfuric Acid Mixture			UN-1785	KC
D			Blast Furnace Sludge, Dewatered	Hazardous Waste, Solid N.O.S.	ORM-E	12	NA-9189	FC
E			Coke Plant Tar Decanter Tank Sludge	Hazardous Waste, Solid N.O.S.	ORM-E	12	NA-9189	FC
F			Paint Sludges	Hazardous Waste, Solid N.O.S.	ORM-E	12	NA-9189	FC

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and the EPA and other authorized state and local agencies.

GENERATOR SIGNATURE *J. Thellman H.S.E.* PRINTED J. Thellman H.S.E. DATE 12-5-80

SECTION 2 TO BE COMPLETED BY TRANSPORTER

TRANSPORTER NAME & ADDRESS
 Big Products Management
 1150 Junction City
 Schererville, Ind

TRANSPORTER NAME & ADDRESS

EP A ID NO
 IND020239856

AREA CODE & PHONE NO
 219 322-2560

GENERATOR DESIGNATED RECEIVING FACILITY NAME & ADDRESS

GENERATOR DESIGNATED ALTERNATE FACILITY NAME & ADDRESS

EP A ID NO

AREA CODE & PHONE NO

The transporter certifies that the material in the above described containers was received and accepted on this date.

TRANSPORTER SIGNATURE *Frank Jackson* PRINTED FRANK JACKSON DATE RECEIVED 12-5-80

SECTION 3 TO BE COMPLETED BY WASTE FACILITY

NAME & ADDRESS OF WASTE FACILITY

MAIL COMPLETED FORM TO

EP A ID NO

AREA CODE & PHONE NO

REPUBLIC STEEL CORPORATION
 MAHONING VALLEY DIST. CONTROL
 1040 PINE AVENUE SE
 WARREN OH 44481

TYPE OF HAZARDOUS WASTE FACILITY

LAND FILL ☐ INCINERATOR ☐ TREATMENT ☐ STORAGE ☐

COMMENTS

The Receiver certifies that the material listed on the above manifest in the quantities designated, was received and accepted and a signed copy of this manifest will be furnished to the Generator. Receiver certifies that the facility has the appropriate permits to treat, store or dispose of the material listed on the above manifest.

WASTE FACILITY SIGNATURE *Frank Jackson* PRINTED FRANK JACKSON DATE RECEIVED 12-5-80

Re: DHMM

Republic Steel - Cleveland District
Cuyahoga County
Permit No. 02-18-0186

RECEIVED
SEP 1 1982
WASTE MANAGEMENT BRANCH
EPA REGION V
August 16, 1982

Mr. Lawrence Aguiar
Republic Steel
3100 East 45th Street
Cleveland, Ohio 44127

Dear Mr. Aguiar:

I conducted a hazardous waste inspection at the Republic Steel Cleveland District facility located at 3100 E. 45th Street on June 11, 1982. You, Mr. Girdler, Mr. Gubanc, and Mr. Broestl represented the facility during the inspection. The facility was inspected for compliance with both State and Federal regulation for the handling of hazardous wastes. The inspection report indicates the facility is in general compliance with the regulations.

A copy of the inspection report is enclosed for your information. This inspection will become a part of the official records of the Ohio Environmental Protection Agency's Division of Hazardous Materials Management and will also be forwarded to Kathy Homer of U.S. EPA Region V.

Please advise me or Kathy Homer at (312) 886-7435 if you have any questions.

Yours truly,

David N. Wertz
Environmental Scientist
Division of Air Pollution Control

DNW:c11

Enclosure

cc: Ms. Paula Cotter, Div. of Hazardous Materials Management, Central Office
Mr. Bob Fragale, Hazardous Waste Facility Approval Board, Central Office
Ms. Kathy Homer, U.S. EPA Region V

137

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

0 H D 0 0 4 2 1 8 6 7 3

Manifest Document No. 9.3.1.5.7

2. Page 1 of 1

Information in the shaded areas not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name
~~Autumn Industries, Inc.~~

6. US EPA ID Number
~~0 H D 9 8 6 9 7 4 7 8 0~~

C. State Transporter's ID 216/372-5002

D. Transporter's Phone ~~XXXXXX XXXX XXXX~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0 H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001.

DT

13. Total Quantity

4.3.5.0.0

14. Unit Wt/Vol

P

I. Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

Self-GD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 E6K 31

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St., Cleveland, Ohio 44127

22.57 45140P.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/4/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Alan R. Gresham

Signature

Alan R. Gresham

Month Day Year

10/4/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10/4/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

JERRY PICKLE

Signature

Jerry Pickle

Month Day Year

10/5/93

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

0 H D 0 0 4 2 1 8 6 7 3

Manifest Document No.

9.3.1.5.8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

Autumn Industries, Inc.

US EPA ID Number

0 H D 0 8 6 9 7 2 7 8 0

7. Transporter 2 Company Name

8. US EPA ID Number

0 H D 0 4 5 2 4 3 7 0 6

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0 H D 0 4 5 2 4 3 7 0 6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID 216/372-5002

D. Transporter's Phone 419/836-4187

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001. DT

13. Total Quantity

4.6000

14. Unit Wt/Vol

P

I. Waste No.

K141

1. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D81
Scarf
cure

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 56R #31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10/4/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Kenneth A. Orr

Signature

Kenneth A. Orr

Month Day Year
10/4/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
10/4/1993

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pinter

Signature

Dale M. Pinter

Month Day Year
10/4/1993

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.1.5.9

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name

Autump Industries, Inc.

6. US EPA ID Number
O.H.D.0.0.4.2.1.8.6.7.3

C. State Transporter's ID
216/372-5002

D. Transporter's Phone
216/372-5002

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

L Waste No.

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001.

DT

47000

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DPI
SCF
CULG

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 ERG #31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

04/14/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

RAYMOND R. McINNES

Signature

Raymond R. McInnes

Month Day Year

10/4/14/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10/4/14/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale McPentner

Signature

Dale McPentner

Month Day Year

10/4/14/93

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. O.H.D.O.0.4.2.1.8.6.7.3	Manifest Document No. 9.3.1.6.0	2. Page 1 of 1	Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address LTV Steel Co., Inc. - Environmental Control Dept. 3100 East 45 Street, Cleveland, Ohio 44127				A. State Manifest Document Number		
4. Generator's Phone (216) 429-6370				B. State Generator's ID		
5. Transporter 1 Company Name Autumn Industries, Inc.		6. US EPA ID Number 0.H.D.0.4.2.1.8.6.7.3		C. State Transporter's ID 216/372-5002		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 419/836-6187		
9. Designated Facility Name and Site Address Envirosafe Services of Ohio, Inc. 876 Otter Creek Road Oregon, Ohio 43616		10. US EPA ID Number O.H.D.O.4.5.2.4.3.7.0.6		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone 419/255-5100		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. X RQ Hazardous Waste, Solid, N.O.S. ORM-E, NA 9189 (K141)			No. Type			
			001 DT	45.500	P	K141
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above Coal Tar - Contaminated Soil				K. Handling Codes for Wastes Listed Above <i>ELRGDS1</i>		
15. Special Handling Instructions and Additional Information 11a. GSN 11637-012 <i>56R #31</i> Mail Completed Form To: <i>44120P</i> LTV Steel - Env. Control Dept. 3100 East 45 St., Cleveland, Ohio 44127 24-Hr. Emergency Contact 419/691-0016						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name S. Rihtar			Signature <i>S. Rihtar</i>		Month Day Year 10.4.1.4.19.3	
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials			Month Day Year		
	Printed/Typed Name Jack Mercer		Signature <i>Jack Mercer</i>		6.4.1.4.19.3	
FACILITY	18. Transporter 2 Acknowledgement of Receipt of Materials			Month Day Year		
	Printed/Typed Name		Signature		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name <i>Jerry Pickle</i>			Signature <i>Jerry Pickle</i>		Month Day Year 04.15.93	

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.O.O.4.2.1.8.6.7.3

Manifest Document No.
9.3.1.6.1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

~~Aluminum Industries, Inc.~~

6. US EPA ID Number
O H D 9 8 6 9 7 4 7 8 0

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D O 4 5 2 4 3 7 0 6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID 216/372-5002

D. Transporter's Phone 419/636-6187

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. X RQ Hazardous Waste, Solid, N.O.S. ORM-E, NA 9189 (K141)	001	DT	45.670	P	K141
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

EGR #31

2348T Mail Completed Form To:
46960P

LTV Steel - Env. Control Dept.

24-Hr. Emergency Contact 419/691-0016
3100 East 45 St., Cleveland, Ohio 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

04/14/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

GREGORY K SELLS

Signature

G. Sells

Month Day Year

04/14/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name

JERRY R. KICE

Signature

J. Kice

Month Day Year

04/14/93

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.1.6.2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

Morrow Bulk Commodities, Inc.

6. US EPA ID Number

O.H.D.9.8.7.0.2.1.0.2.9

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 419/836-6187

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

I. Waste No.

001

DT

42.500

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D815ccEue6

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 E6R#31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept. 43400P
3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

6/4/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Richard A. Rodgers

Signature

Richard A. Rodgers

Month Day Year

10/8/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner

Month Day Year

10/4/1993

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

0.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.

9.3.1.6.3

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

Morrow Bulk Commodities, Inc.

6. US EPA ID Number

0.H.D.9.8.7.0.2.1.0.2.9

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 419/836-6187

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D81
S
F
cell 6.

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG #31

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

2030J
40720P

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10/11/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

DOUGLAS C. MORROW

Signature

[Signature]

Month Day Year
10/11/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
10/11/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penter

Signature

Dale M. Penter

Month Day Year
10/11/93

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.5.0

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127
4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name
Dart Trucking Co.

6. US EPA ID Number
O.H.D.0.0.9.8.6.5.8.2.5

C. State Transporter's ID

D. Transporter's Phone 216/533-9841

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
Q.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

1. Waste No.

a. ☒ X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

46000

P

K141

GENERATOR

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SL/GD81

15. Special Handling Instructions and Additional Information
11a. GSN 11637-012 ERG 331
24-Hr. Emergency Contact 419/691-0016 2314T 46280P

Mail Completed Form To:
LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland Ohio 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

04/14/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

GR12 Raker

Signature

Raker

Month Day Year

10/14/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10/14/93

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

JERRY PICKLE

Signature

Jerry Pickle

Month Day Year

10/15/93

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O. H. D. O. O. 4. 2. 1. 8. 6. 7. 3

Manifest Document No.
9. 3. 2. 6. 8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
DART Trucking Co.

6. US EPA ID Number
104.D.O.O.9.8.6.5825

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

10 H D O 4 5 2 4 3 7 0 6

A. State Manifest Document Number

Y193268

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone (216) 533-9844

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit
Wt/Vol

1. Waste No.

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

43000

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DA
SCF
sub
JDAJ
44040P

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 ERG #31

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/4/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Victor A. RENKO

Signature

Victor A. Renko

Month Day Year

10/4/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pester

Signature

Dale M. Pester

Month Day Year

10/4/1993

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.7.3

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

MORROW Bulk Commodities

6. US EPA ID Number

OH.0.9.8.7.0.2.1.0.2.9

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number

V193273

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone (419) 856-6127

E. State Transporter's ID

836-6127

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

12. Containers No. Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

45000

P

K141

b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D8
SUF
ALG

15. Special Handling Instructions and Additional Information
11a. GSN 11637-012 ERG #31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:
LTV Steel - Env. Control Dept. 22-847
3100 East 45 St., Cleveland, Ohio 44127

45684

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10.41.419.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Richard A. Rodger

Signature

Richard A. Rodger

Month Day Year
10.41.419.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pirtner

Signature

Dale M. Pirtner

Month Day Year
10.41.519.3

ORIGINAL - RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.O.O.4.2.1.8.6.7.3

Manifest Document No.
9.3-2-7.5

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
Dart Trucking Co.

6. US EPA ID Number
O.H.D.O.O.9.8.6.5.8.2.5

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
O.H.D.O.4.5.2.4.3.7.0.6

A. State Manifest Document Number

V193275

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 216/533-9841

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001

DT

13. Total Quantity

4.6.0.0.0

14. Unit Wt/Vol

P

1. Waste No.

K141

GENERATOR

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

Self GD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

2323T 464602

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/4/11 6/9/3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charles K. Myers

Signature

Charles K. Myers

Month Day Year

10/4/11 6/9/3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10/4/11 6/9/3

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name

JOHN P. HICKS

Signature

John P. Hicks

Month Day Year

10/4/11 6/9/3

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.

9.3.2.7.6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

V193276

B. State Generator's ID

5. Transporter 1 Company Name

Dart Trucking Co.

6. US EPA ID Number

O.H.D.0.0.9.8.6.5.8.2.5

C. State Transporter's ID

D. Transporter's Phone 216/533-9841

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001

DT

13. Total Quantity

46000

14. Unit Wt/Vol

P

I. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

all GDS1.

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 ERG #31 21.9T Mail Completed Form To:
LTV Steel - Env. Control Dept.
24-Hr. Emergency Contact 419/691-0016 43800P 3100 East 45 St., Cleveland, Ohio 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year

8/11/69

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

RICHARD J. SNIYOK JR

Signature

RJR

Month Day Year

8/11/69

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

8/11/69

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

JEFF PACE

Signature

JEFF PACE

Month Day Year

8/16/69

ORIGINAL - RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O.H.D.O.O.4.2.1.8.6.7.3

Manifest Document No.

9.3.2.5.1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

419325

B. State Generator's ID

5. Transporter 1 Company Name

Dart Trucking Co.

6. US EPA ID Number

O.H.D.O.O.9.8.6.5.8.2.5

C. State Transporter's ID

D. Transporter's Phone 216/533-9841

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.O.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

001

DT

44000

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D80
SCF
Full

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG # 31

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

43040P

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10.4.1.5.19.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Martin Dresphing

Signature

Martin Dresphing

Month Day Year

10.4.1.5.19.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner

Month Day Year

10.4.1.5.19.3

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.O.O.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.5.2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
Dart Trucking Co.

6. US EPA ID Number
Q H D O O 9 8 6 5 8 2 5

A. State Manifest Document Number
41 93252

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 216/533-9841

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone
419/255-5100

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
O H D O 4 5 2 4 3 7 0 6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

b.

c.

d.

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
001	DT	42000	P	K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

ERG-D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 ERG-31

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St. Cleveland, Ohio 44127

21.58T 4.3160R

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
07/14/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Claude Steven Kiddler

Signature

Claude Steven Kiddler

Month Day Year
07/14/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
07/14/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JERRY WICKKE

Signature

Jerry Wickke

Month Day Year
07/15/93

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.5.3

2. Page 1 of 1

Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

A. State Manifest Document Number
Y193253

B. State Generator's ID

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
Dart Trucking Co.

6. US EPA ID Number
O.H.D.0.0.9.8.6.5.8.2.5

C. State Transporter's ID

D. Transporter's Phone 216/533-9841

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

440.00

P

K141

GENERATOR

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

800G081

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG #31

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St., Cleveland, Ohio 44127

22.08T 44160P

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year

10/4/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Victor A. Renko

Signature

Victor A. Renko

Month Day Year

10/4/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10/4/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

DEPT VICKIE

Signature

[Signature]

Month Day Year

10/4/93

USE PREVIOUS EDITIONS OF THIS FORM FOR INFORMATION ONLY

ORIGINAL-RETURN TO GENERATOR

7-BLS-28

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.5.4

2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
Dart Trucking Co.

6. US EPA ID Number
O.H.D.0.0.9.8.6.5.8.2.5

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
O.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number
V193254

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 216/533-9841

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

b.

c.

d.

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Val

1. Waste No.

001

DT

430.00

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D81
surf
culb

15. Special Handling Instructions and Additional Information
11a. GSN 11637-012 ~~ERR~~ #31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:
LTV Steel - Env. Control Dept. 2186T
3100 East 45 St., Cleveland, Ohio 44127
43720P

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.
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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10/4/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Jeff Bauer

Signature

Jeff Bauer

Month Day Year
10/11/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
10/11/93

19. Discrepancy Indication Space

FACTORY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Perdue

Signature

Dale M. Perdue

Month Day Year
08/18/93

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

O.H.D.0.0.4.2.1.8.6.7.3

Manifest
Document No.

9.3.2.5.5

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

Y1 93255

B. State Generator's ID

5. Transporter 1 Company Name

Wills Trucking, Inc.

6. US EPA ID Number

O.H.D.0.6.8.9.1.3.4.0.9

C. State Transporter's ID

D. Transporter's Phone 216/659-9381

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

1. Waste No.

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

43000

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DFT
SC-F
cell

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 ERG #31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10/4/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

WAYNE GRAHAM

Signature

Wayne Graham

Month Day Year
10/4/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
10/4/1993

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penter

Signature

Dale M. Penter

Month Day Year
10/4/1993

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O.H.D.O.0.4.2.1.8.6.7.3

Manifest Document No.

9.3.2.5.7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

VI 932511

B. State Generator's ID

5. Transporter 1 Company Name

Autumn Industries, Inc.

6. US EPA ID Number

O.H.D. 9.8.6.9.7.4.7.8.0

C. State Transporter's ID

D. Transporter's Phone 216/372-5002

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.O.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001 DT

13. Total Quantity

4300.00

14. Unit Wt/Vol

P

I. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DSH
SUF
CWB

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept. 2289T
3100 East 45 St., Cleveland, Ohio 44127

45280P

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10.4.14.19.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Robert D Amicus

Signature

Robert D Amicus

Month Day Year
10.4.14.19.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M Pentecost

Signature

Dale M Pentecost

Month Day Year
10.4.15.19.3

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O H D O O 4 2 1 8 6 7 3

Manifest Document No.
9 3 2 5 8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

Autumn Industries, Inc.

6. US EPA ID Number
O H D 9 8 6 9 7 4 7 8 0

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D O 4 5 2 4 3 7 0 6

A. State Manifest Document Number

1193258

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 216/372-5002

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM	No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. X	RQ	Hazardous Waste, Solid, N.O.S.			
	ORM-E, NA 9189	(K141)	001	DT	430.00
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DFI
SCF
C141

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 GGR #31
*24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10 41 419 3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Stanley W. Paulowski Jr

Signature

Stanley W. Paulowski Jr

Month Day Year
10 41 419 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner

Month Day Year
10 41 419 3

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.O.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.6.0

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127
4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name
Buffalo Fuel Co. N.Y.D.O.5.1.8.0.9.9.5.2
6. US EPA ID Number
7. Transporter 2 Company Name
8. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 1800-856-0670

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616
10. US EPA ID Number
O.H.D.O.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

No.

Type

001

DT

3.90.0.0

P

K141

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DP1
SELF

15. Special Handling Instructions and Additional Information
11a. GSN 11637-012 ERG 231
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept. 19-68T
3100 East 45 St., Cleveland, Ohio 44127
3936ap

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10/4/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

CLINT WEAVER

Signature

Clint Weaver

Month Day Year
10/4/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penter

Signature

Dale M. Penter

Month Day Year
10/4/1993

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O.H.D.O.O.4.2.1.8.6.7.3

Manifest Document No.

9.3.2.6.1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

V1 93261

B. State Generator's ID

5. Transporter 1 Company Name

Morrow Bulk + Commodity

6. US EPA ID Number

O.H.098.7.0.2.1.0.2.9

C. State Transporter's ID

D. Transporter's Phone (419) 8366127

7. Transporter 2 Company Name

8. US EPA ID Number

1.

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D Q 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

001

DT

45500

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

ERG #31

K. Handling Codes for Wastes Listed Above

SCLEGD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

22.93
45860

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/4/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Douglas C. Morrow

Signature

[Signature]

Month Day Year

10/4/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10/4/1993

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

[Signature]

Month Day Year

11/15/93

ORIGINAL-RETURN TO GENERATOR

815-06

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.6.2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

A. State Manifest Document Number
1193262

B. State Generator's ID

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
DART Trucking Co

6. US EPA ID Number
O.H.D.0.0.9.8.6.5.8.2.5

C. State Transporter's ID

D. Transporter's Phone (216) 533-9841

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
1 Q H D O 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

41.0.0.0

P

K141

GENERATOR

J. Additional Descriptions for Materials Listed Above
Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above
DRI
SCF
Cell 6
20-25
46800P

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 ERG-31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:
LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
04/15/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Gerald W. Yerkey

Signature

Gerald W. Yerkey

Month Day Year
04/15/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penter

Signature

Dale M. Penter

Month Day Year
04/15/93

ORIGINAL-RETURN TO GENERATOR

7BLS-C

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.6.3

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

E. State Transporter's ID

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

O H D . 0 . 4 . 5 . 2 . 4 . 3 . 7 . 0 . 6

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

No.

Type

001

DT

44.000

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil ERG #31

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/4/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

George House

Signature

George House

Month Day Year

10/4/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10/4/1993

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner

Month Day Year

10/4/1993

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O.H.D.O.0.4.2.1.8.6.7.3

Manifest Document No.

9.3.2.6.4

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

VI 93264

B. State Generator's ID

5. Transporter 1 Company Name

DART Trucking Co.

6. US EPA ID Number

040009865825

C. State Transporter's ID

D. Transporter's Phone (616) 533-9841

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.O.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001 DT

13. Total Quantity

4.20.00

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D81
surf
ceeb

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 ER6 #31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10.4.1.5.9.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

FRANK VIGORLI

Signature

Frank Vigorli

Month Day Year

10.4.1.5.9.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

J. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner

Month Day Year

10.4.15.9.3

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

D H D 0 0 4 2 1 8 6 7 3

Manifest Document No. 9.3.2.6.5

2. Page 1 of 1

Information in the shaded area not required by Federal law

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

1193265

B. State Generator's ID

5. Transporter 1 Company Name

Buffalo Eye Corp.

6. US EPA ID Number

IN4.D.05.18.09952

C. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone 1800-856-0670

E. State Transporter's ID

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

001

DT

4.2000

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DSL
SURF
CULG

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG #31

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St., Cleveland, Ohio 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10.4.11.19.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

James Shaffer

Signature

James Shaffer

Month Day Year
10.4.11.19.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
10.4.11.19.3

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale McIntire

Signature

Dale McIntire

Month Day Year
10.4.11.19.3

ORIGINAL - RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.O.O.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.7.7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name

Dart Trucking Co.

6. US EPA ID Number

Q H D Q 0 9 8 6 5 8 2 5

C. State Transporter's ID

D. Transporter's Phone 216/533-9841

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D O 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone 419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No. 001

Type DT

13. Total Quantity

4400.0

14. Unit Wt/Vol

P

I. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SELF GD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
6/4/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Victor A. RENKO

Signature

Victor A. Renko

Month Day Year
6/4/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year
14/22/93

ORIGINAL — RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.7.9

2. Page 1 of 1

Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
Dart Trucking Co.

6. US EPA ID Number
O.H.D.0.0.9.8.6.5.8.2.5

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
O.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 216/533-9841

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001 DT 4.4.0.00 P K141

b.
c.
d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCIFG DBI

15. Special Handling Instructions and Additional Information
11a. GSN 11637-012 *ERG #31*
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:
LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127
22.76 T 49220

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.
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OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
S. Rihtar

Signature
S. Rihtar

Month Day Year
04 21 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature
David Schaefer

Month Day Year
04 21 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature
Jeff Harding

Month Day Year
04 22 93

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.O.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.8.7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127
4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name
Buffalo Fuel Corp.

6. US EPA ID Number
N.Y.D.O.5.1.8.0.9.9.5.2

C. State Transporter's ID

D. Transporter's Phone 716/773-1921

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
O.H.D.O.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001 DT 42.000 P K141

b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DFI
surf celeb

15. Special Handling Instructions and Additional Information
11a. GSN 11637-012
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:
LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127
45560p 22-78

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Printed/Typed Name
S. Rihtar

Signature
Month Day Year
10 4 19 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
PAUL BERNING

Signature
Month Day Year
10 4 19 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Dale M. Penther

Signature
Month Day Year
04 22 93

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.8.8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
Buffalo Fuel Corp.

6. US EPA ID Number
N.Y.D.0.5.1.8.0.9.9.5.2

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
O.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 716/773-1921

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM	No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. X	RQ Hazardous Waste, Solid, N.O.S. ORM-E, NA 9189 (K141)	001 DT	44.000	P	K141
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCUF GD 81

15. Special Handling Instructions and Additional Information
11a. GSN 11637-012
24-Hr. Emergency Contact 419/691-0016

ERG 31 Mail Completed Form To:
LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127
22.21 T 44420

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Printed/Typed Name
S. Rihtar

Signature
S. Rihtar
Month Day Year
05 04 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Rich Whetzel

Signature
R. Whetzel
Month Day Year
05 04 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

FACTORY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
JEFF HARDING

Signature
Jeff Harding
Month Day Year
05 04 93

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No. 9.3.2.8.9

2. Page 1 of 1

Intro. not req.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document No.

B. State Generator's ID

5. Transporter 1 Company Name

Buffalo Fuel Corp.

6. US EPA ID Number

N.Y.D.0.5.1.8.0.9.9.5.2

C. State Transporter's ID

D. Transporter's Phone 716/773-1921

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

4.50.00

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

5CLFGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 ERG #31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar 05/04/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

PAUL BEAN:MS

Signature

Paul Bean 10/5/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding 05/14/93

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O. H. D. 0. 0. 4. 2. 1. 8. 6. 7. 3

Manifest Document No.
9 3. 2. 9. 0

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
Buffalo Fuel Corp.

6. US EPA ID Number
N Y D. 0. 5. 1. 8. 0. 9. 9. 5. 2

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number
O H D. 0. 4. 5. 2. 4. 3. 7. 0. 6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 716/773-1921

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001

DT

13. Total Quantity

4.5000

14. Unit
Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

ERG #31

K. Handling Codes for Wastes Listed Above

SCLEGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St., Cleveland, Ohio 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year

05/03/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

PAUL BERNING

Signature

Paul Berning

Month Day Year

05/03/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

05/03/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

05/03/93

ORIGINAL-RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.9.1

2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
~~Buffalo Fuel Corp.~~ *MORROW BAKING* OH D 98701 1027
US EPA ID Number NY D 0 5 1 8 0 9 9 5 2

7. Transporter 2 Company Name 8. US EPA ID Number

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616
10. US EPA ID Number Q H D 0 4 5 2 4 3 7 0 6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 216/773-1921

E. State Transporter's ID 417-836-6

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM	No.	Type	Total Quantity	Unit Wt/Vol	Waste No.
a. X	RQ	Hazardous Waste, Solid, N.O.S.			
	ORM-E, NA 9189	(K141)	4.0500	P	K141
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SELF G D 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St., Cleveland, Ohio 44127

1921 T 38420

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

Month Day Year

10/5/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Richard A. Rodgers

Signature

Month Day Year

10/5/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Month Day Year

9/3/93

EPA Form 3500-22 (Rev. 9-92) Instructions on back of form

ORIGINAL-RETURN TO GENERATOR

Instructions on back of form

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.7.0

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127
4. Generator's Phone (216) 429-6370

A. State Manifest Document Number
OH 00493270
B. State Generator's ID

5. Transporter 1 Company Name
PART Trucking INC
6. US EPA ID Number
10.H.P.0.0.9.8.6.5.8.2.5
7. Transporter 2 Company Name
8. US EPA ID Number

C. State Transporter's ID
D. Transporter's Phone 1800 533-0255
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616
10. US EPA ID Number
O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID
H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. X RQ Hazardous Waste, Solid, N.O.S. ORM-E, NA 9189 (K141)	001	DT	46000	P	K141
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above
D81
SCF
CUB
53,837
47660P

15. Special Handling Instructions and Additional Information
11a. GSN 11637-012 EGR #31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:
LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment;
OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
S. Rihtar

Signature
S. Rihtar
Month Day Year
10.4.19.3

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
HARRY A. STUART 926

Signature
Harry A. Stuart
Month Day Year
10.4.19.3

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Dale M. Pertner
Signature
Dale M. Pertner
Month Day Year
10.4.19.3

ORIGINAL — RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

0.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.

9.3.2.6.9

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

DART TRUCKING INC.

6. US EPA ID Number

0.H.D.009.8.65.8.25

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 1-800-522-985

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

L Waste No.

001

DT

440.00

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCIFGD 01

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

EGR #31

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St., Cleveland, Ohio 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10-4-93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

WILLIAM VINCENT

Signature

William Vincent

Month Day Year

10-4-93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

11-12-93

ORIGINAL - RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O H D 0 0 4 2 1 8 6 7 3

Manifest Document No.
9.3.2.7.1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name

PART Trucking Inc.

6. US EPA ID Number

0. H D 0 0 9 8 6 5 8 2 5

C. State Transporter's ID

D. Transporter's Phone (800) 533-0855

7. Transporter 2 Company Name

8. US EPA ID Number

.....

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0. H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001

DT

13. Total Quantity

44,000

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above
Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DFH
SCF
CEG

15. Special Handling Instructions and Additional Information
11a. GSN 11637-012 EGR #31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:
LTV Steel - Env. Control Dept. 33.44T
3100 East 45 St., Cleveland, Ohio 44127
46550P

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment;
OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that can afford.

Printed/Typed Name
S. Rihtar

Signature
S. Rihtar

Month Day Year
10/21/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
DICK KINDE

Signature
Dick Kinde

Month Day Year
10/21/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Dale M. Partner

Signature
Dale M. Partner

Month Day Year
04/21/93

ORIGINAL - RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9.3.2.7.2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

DART Trucking Inc.

6. US EPA ID Number

6.HD0098658.2.5

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 800-583-8155

E. State Transporter's ID 1809533 0255

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001 DT

13. Total Quantity

450.00

14. Unit Wt/Vol

P

I. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCIFGD B1

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.

3100 East 45 St., Cleveland, Ohio 44127

23.1 T

46200

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10-4-1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

BYRON HOCKMAN

Signature

Byron Hockman

Month Day Year

10-4-1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

JH Harding

Month Day Year

14-12-1993

GENERATOR

TRANSPORTER

FACILITY

Nº 077704

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.
7-7-7-0-4

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077704

B. State Generator's ID

5. Transporter 1 Company Name

Dart Trucking Co

6. US EPA ID Number

OH D 0 0 9 8 6 5 8 2 5

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

OH D 0 4 5 2 4 3 7 0 6

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

001

DT

13. Total
Quantity

46000

14. Unit
Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG #31

23.27

24-Hr. Emergency Contact 419/691-0016

46540

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

6 4 2 3 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

BYRON HOCKMAN

Signature

Byron Hockman

Month Day Year

10 4 2 3 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

4 23 93

OHD Nº 077704

7-BLS-C

ORIGINAL — RETURN TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

0.H.D.0.0.4.2.1.8.6.7.3

Manifest Document No.
9-3-2-7-8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV Steel Co., Inc. - Environmental Control Dept.
3100 East 45 Street, Cleveland, Ohio 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

Dart Trucking Co.

6. US EPA ID Number

0.H.D.0.0.9.8.6.5.8.2.5

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 216/533-9841

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

001

DT

13. Total Quantity

4.6000

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SC1FGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012 ERG #31
24-Hr. Emergency Contact 419/691-0016

Mail Completed Form To:

LTV Steel - Env. Control Dept.
3100 East 45 St., Cleveland, Ohio 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/4/23/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

DICK KINDER

Signature

Dick Kinder

Month Day Year

10/4/23/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

11/4/23/93

Nº 064686

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.

6 4 6 8 6

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 064686

B. State Generator's ID

5. Transporter 1 Company Name

DART TRUCKING CO. INC.

6. US EPA ID Number

O.H.D. 009865825

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone 1-800-533 085

7. Transporter 2 Company Name

8. US EPA ID Number

G. State Facility's ID

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D. 0 4 5 2 4 3 7 0 6

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)12. Containers
No. Type

001

DT

13. Total
Quantityest.
4400014. Unit
Wt/Vol

P

1. Waste No.

K141

b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

Dsl
see label

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

EGE #31

24-Hr. Emergency Contact 419/691-0016

5466T
49320PMAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 4412716. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment;
OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

0 4 12 8 19 3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

VICTOR A. RENKO

Signature

Victor A. Renko

Month Day Year

10 4 12 8 19 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

Box 13 added per Wally Rakovich - P
4-28-93

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pertner

Signature

Dale M. Pertner

Month Day Year

04 12 19 93

Nº 064687

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D . 0 . 0 . 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

6 . 4 . 6 . 8 . 7

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 064687

B. State Generator's ID

5. Transporter 1 Company Name

DART TRUCKING CO. INC.

6. US EPA ID Number

O.H.D.O.09865825

C. State Transporter's ID T735Kerh

7. Transporter 2 Company Name

8. US EPA ID Number

1

D. Transporter's Phone 1-800-533-0255

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.O.45243706

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

1. Waste No.

001

DT

465.00

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

G D 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

EGR #31

47080P.

24-Hr. Emergency Contact 419/691-0016

2354T

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 4412716. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment;
OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10-4-12 8-19-3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

GLEN KOFFER

Signature

Glen Koff

Month Day Year

10-4-12 8-19-3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JERRY R. KEE

Signature

JERRY R. KEE

Month Day Year

10-4-12 8-19-3

Nº 064688

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No.

6 4 6 8 8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number
OHD Nº 064688

B. State Generator's ID

5. Transporter 1 Company Name

DART TRUCKING CO

6. US EPA ID Number

10.H.D.00.9.8.6.5.8.2.5

C. State Transporter's ID

D. Transporter's Phone **216-533-9841**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

10.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

001

Type

DT

13. Total Quantity

46000

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

EGR#31

21.74 T

43480

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10 4 23 19 3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Gerald W. Yerkey

Signature

Gerald W. Yerkey

Month Day Year
04 23 19 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year
14 23 19 3

OHD Nº 064688

ORIGINAL — RETURN TO GENERATOR

7-BLS-CC

GENERATOR

TRANSPORTER

FACILITY

Nº 064689

Form Approved OMB No. 2050-0038

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No. 6.4.6.8.9

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

DART Trucking Co.

6. US EPA ID Number

0 H D 0 0 9 8 6 5 8 2 5

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0 H D 0 4 5 2 4 3 7 0 6

A. State Manifest Document Number

OHD Nº 064689

B. State Generator's ID

C. State Transporter's ID T735KC Ohio

D. Transporter's Phone 216-533-984

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone 419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001 DT

13. Total Quantity

4.1.000

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above
Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D & I
S C F
U N G

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG # 31 33,72T
4750P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

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OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name S. Rihtar

Signature

S. Rihtar

Month Day Year
04/23/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

GLEN LOFFEL

Signature

Glen Loffel

Month Day Year
04/23/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner

Month Day Year
04/26/93

OHD Nº 064689

ORIGINAL — RETURN TO GENERATOR

Nº 077701

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Q H D 0 0 4 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7 . 7 . 7 . 0 . 1

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077701

B. State Generator's ID

5. Transporter 1 Company Name

DART Trucking CO. INC.

6. US EPA ID Number

Q H D 0 0 9 8 6 5 8 2 5

C. State Transporter's ID

D. Transporter's Phone **216/533-9841**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone **419/255-5100**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. **X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)**

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

1. Waste No.

001

DT

466.00

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

EGR #31

24.415

488207

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
12 4 23 19 3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MICHAEL FRANKS

Signature

Michael Franks

Month Day Year
12 4 23 19 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale Minter

Signature

Dale Minter

Month Day Year
10 4 27 19 3

OHD Nº 077701

ORIGINAL — RETURN TO GENERATOR

Nº 077702

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.

7 7 7 0 2

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077702

B. State Generator's ID

5. Transporter 1 Company Name

DART Trucking Co.

6. US EPA ID Number

O H D 0 0 9 8 6 5 8 2 5

C. State Transporter's ID

D. Transporter's Phone 216/533-9844

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone
419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13.
Total
Quantity14.
Unit
Wt/Vol1.
Waste No.

001

DT

4.6.0.00

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

EGR #31 22.85 T

45,700

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year

10/4/23/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

DOYDIE SAUERWEIN

Signature

Doydie Sauerwein

Month Day Year

10/4/23/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10/4/23/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

11/4/23/93

ESOI/Envirosafe Services

Associated Chem
876 Otter Creek Road

Nº 077703

Form Approved OMB No. 2000-0001

**HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.
7-7-7-0-32. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077703

B. State Generator's ID

5. Transporter 1 Company Name

Port Trucking Co. Inc. b.H.D.O. 09865825

6. US EPA ID Number

C. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone 216-533-984

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)12. Containers
No. Type

001

DT

13. Total
Quantity

46000

14. Unit
Wt/Vol

P

1. Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

EGR #3148200P

24.1 T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/4/23/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Harry Crump

Signature

Harry Crump

Month Day Year

10/4/23/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

11/4/23/93

OHD Nº 077703

7-BLS-C

ORIGINAL — RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Nº 077708

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest Document No.

7 . 7 . 7 . 0 . 8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077708

B. State Generator's ID

5. Transporter 1 Company Name

DART TRUCKING CO INC

6. US EPA ID Number

OHD 00.9865825

C. State Transporter's ID

D. Transporter's Phone 1-800-533-025

7. Transporter 2 Company Name

8. US EPA ID Number

1

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 . 5 . 2 . 4 . 3 . 7 . 0 . 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001 DT

13. Total Quantity

EST. Per Perway 45000

14. Unit Wt/Vol

Al. Cherty TAD P

1. Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DRT
SFC
CUG

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

25.58T
51160P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10.4.28.93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

FRANK VIGNOLI

Signature

Frank Vignoli

Month Day Year

10.4.28.93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10.4.28.93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Peters

Signature

Dale M. Peters

Month Day Year

04.28.93

OHD Nº 077708

7-BLS-06

ORIGINAL — RETURN TO GENERATOR

Nº 077710

Form Approved OMB No. 2050-0052 Expires 1-97

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest Document No.

7 . 7 . 7 . 1 . 0

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077710

B. State Generator's ID

5. Transporter 1 Company Name

DART Trucking Co. Inc.

6. US EPA ID Number

O . H . D . 0 . 0 . 9 . 8 . 6 . 5 . 8 . 2 . 5

C. State Transporter's ID

D. Transporter's Phone 1-800-530-2555

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O . H . D . 0 . 4 . 5 . 2 . 4 . 3 . 7 . 0 . 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

L Waste No.

001

DT

450.00

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D81
SCF
ceeb

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

EGR #31

JLST 43609

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

04/29/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

LARRY D. Goff

Signature

Larry D. Goff

Month Day Year

04/29/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

04/29/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner

Month Day Year

04/29/93

OHD Nº 077710

7-BLS-C

ORIGINAL — RETURN TO GENERATOR

Nº 077711

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Q H D O Q 4 2. 1. 8. 6. 7. 3

Manifest Document No.

7. 7. 7. 1. 1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077711

B. State Generator's ID

5. Transporter 1 Company Name

DART TRUCKING INC

6. US EPA ID Number

Q H D O Q 4 2. 1. 8. 6. 7. 3

C. State Transporter's ID

D. Transporter's Phone 1-800-533-0255

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D O 4. 5. 2. 4. 3. 7. 0. 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001

DT

13. Total Quantity

EST. PER A 4.5.0.0.0

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DH SCF cell 6

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

04 29 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

FRED BLUM

Signature

Fred Blom

Month Day Year

04 29 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penter

Signature

Dale M. Penter

Month Day Year

04 29 93

OHD Nº 077711

7-BLS-C

ORIGINAL — RETURN TO GENERATOR

Nº 077712

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No.

77712

2. Page 1

of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077712

B. State Generator's ID

5. Transporter 1 Company Name

DART Trucking Inc

6. US EPA ID Number

0.H.D.0.0.9.8.6.5.8.2.5

C. State Transporter's ID

D. Transporter's Phone 1-800-533-0255

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001 DT

13. Total Quantity

4.500.0

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SC2F-G
D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

EGR #31

2372 T

4759

24-Hr. Emergency Contact 419/691-0016

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

09/29/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Lorrie L. Loney

Signature

Lorrie L. Loney

Month Day Year

04/29/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Rick Brogan

Signature

Rick Brogan

Month Day Year

10/29/93

Nº 077713

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7 . 7 . 7 . 1 . 3

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077713

B. State Generator's ID

5. Transporter 1 Company Name

DART Trucking CO.

6. US EPA ID Number

O.H.D.0.0.9.8.6.5.825

C. State Transporter's ID

D. Transporter's Phone 1-800-541-8206

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13.
Total
Quantity

14.
Unit
Wt/Vol

1.
Waste No.

001

DT

4.550.0

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31 46,660
23.33 T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/03/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Dave Lohmeyer

Signature

Dave Lohmeyer

Month Day Year

05/03/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

05/03/93

OHD Nº 077713

ORIGINAL — RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Nº 077714

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7 . 7 . 7 . 1 . 4

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077714

B. State Generator's ID

5. Transporter 1 Company Name

PART Trucking Co.

6. US EPA ID Number

O.H.D.0.0.986.5.8.2.5

7. Transporter 2 Company Name

8. US EPA ID Number

.

C. State Transporter's ID

D. Transporter's Phone 1-800-541-8206

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O . H . D . 0 . 4 . 5 . 2 . 4 . 3 . 7 . 0 . 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

001

Type

DT

13. Total
Quantity

460.00

14. Unit
Wt/Vol

P

I. Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG 31

47,100

23.55 T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 4412716. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10-56-3193

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MARY A STUART 926

Signature

Mary A Stuart

Month Day Year

10-57-3193

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

9 03 93

OHD Nº 077714

7-BLS-CC

ORIGINAL — RETURN TO GENERATOR

Nº 077715

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.
7-7-7-1-52. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone: (216) 429-6370

A. State Manifest Document Number

OHD Nº 077715

B. State Generator's ID

5. Transporter 1 Company Name

DART TRKG CO. INC.

6. US EPA ID Number

O.H.D.0.0.9.8.6.5.8.25

C. State Transporter's ID

D. Transporter's Phone 1-800-541-8200

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/VolL
Waste No.

001

DT

478.00

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCUF GD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

48240

24.12.7

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 4412716. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05 03 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

DOUGLAS R. Chalou

Signature

Douglas R. Chalou

Month Day Year

05 03 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

5 3 93

No 077716

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No.
7-7-7-1-6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD No 077716

B. State Generator's ID

5. Transporter 1 Company Name

MORROW BULK

6. US EPA ID Number

0.H.D.9.8.70.2.1.0.2.9

C. State Transporter's ID

D. Transporter's Phone (419) 836-6187

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

I. Waste No.

001

DT

47370

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

GD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG#31 47160P
23.58T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
6-4-30-93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

John E Pointer

Signature

John E Pointer

Month Day Year
6-4-30-93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

FERRY PICKER

Signature

Ferry Picker

Month Day Year
6-13-93

Nº 077717

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Q H D 0 0 4 2 1 8 6 7 3

Manifest Document No. 777717

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077717

B. State Generator's ID

5. Transporter 1 Company Name

US BULK Transport INC

6. US EPA ID Number

PA 0987347515

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 1-800-642-8910

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001

DT

13. Total Quantity

44.0.00

14. Unit Wt/Vol

P

I. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

Self GDSI

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

43320R

21.66T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
04/30/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Randy Ferry

Signature

Randy Ferry

Month Day Year
04/30/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

ERT PICKLE

Signature

ERT PICKLE

Month Day Year
04/30/93

OHD Nº 077717

ORIGINAL — RETURN TO GENERATOR

Nº 077718

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 8 7 3

Manifest Document No.

7 7 7 1 8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

US Bulk Transport Inc

6. US EPA ID Number

PA.09.87.3475.15

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 0 4 5 2 4 3 7 0 6

A. State Manifest Document Number

OHD Nº 077718

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 1-800-642-8910

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001

DT

13. Total Quantity

46000

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SLKGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31 44940P
22.47T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
04/30/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Lee Baker

Signature

Lee Baker

Month Day Year
04/30/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

JERRY PICKLE

Signature

Jerry Pickle

Month Day Year
04/30/93

OHD Nº 077718

ORIGINAL — RETURN TO GENERATOR

Nº 077719

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.

7 7 7 1 9

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077719

B. State Generator's ID

5. Transporter 1 Company Name

US BULK TRANSPORT INC.

6. US EPA ID Number

P.A.D. 9 8 7 3 4 7 5 1 5

C. State Transporter's ID

D. Transporter's Phone 1-800-642-8910

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

15. Waste No.

001

DT

43.000 P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

ERG 31 427603
21.38 T

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

0 4 3 0 9 3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

GEORGE PEFKE

Signature

GEORGE PEFKE

Month Day Year

0 4 3 0 9 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

ERRI PEFKE

Signature

ERRI PEFKE

Month Day Year

0 4 3 0 9 3

Nº 077720

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D O O 4 2 1 8 6 7 3

Manifest Document No.

7 7 7 2 0

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077720

B. State Generator's ID

5. Transporter 1 Company Name

US Bulk Transport

6. US EPA ID Number

PA 09 87397515

C. State Transporter's ID

D. Transporter's Phone 1-800-642-8910

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D O O 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

001

DT

36000

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG 31 35200P
17.61T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/13/09

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Gene Lyon

Signature

Gene Lyon

Month Day Year

10/13/09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10/13/09

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF PICKLE

Signature

JEFF PICKLE

Month Day Year

10/13/09

Nº 077721

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D O 0 4 2 1 8 6 7 3

Manifest
Document No.
7-7-7-2-12. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077721

B. State Generator's ID

5. Transporter 1 Company Name

MORROW BULK COMMODITIES

6. US EPA ID Number

OHD 997-0-2-1-0-2-9

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D O 4 5 2 4 3 7 0 6

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

I. Waste No.

001

DT

41,000 #s

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

20.65 T

41,300

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

Month Day Year

04/30/92

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Richard A. Redges

Signature

Month Day Year

04/30/92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Month Day Year

5/3/93

OHD Nº 077721

7-BLS-01

Nº 077722

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Q H D Q Q 4 2 1 8 6 7 3

Manifest
Document No. 22. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077722

B. State Generator's ID

5. Transporter 1 Company Name

MORROW BULK INC

6. US EPA ID Number

Q H D Q Q 4 2 1 0 2 9

C. State Transporter's ID

D. Transporter's Phone

419-836487

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D Q Q 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)12. Containers
No. Type

001

DT

13. Total
Quantity

45.000

14. Unit
Wt/Vol

P

I. Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCIFGD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG 3/ 44,680
22.34 TMAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/3/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

FRED BOLYARD JR.

Signature

Fred Bolyard Jr.

Month Day Year

10/3/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

9/3/93

OHD Nº 077722

7-BLS-C

Nº 077723

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No. 7.7.7.2.3

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077723

B. State Generator's ID

5. Transporter 1 Company Name

MORROW BULK INC.

6. US EPA ID Number

O.H.D. 9.7.0.2.1.0.2.9

C. State Transporter's ID

D. Transporter's Phone 419-336-6187

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D. 0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

001

DT

453.70

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DSL
SLCF
all G

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG 31

22.5IT

45020P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05 03 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charles Smith

Signature

Charles Smith

Month Day Year

05 03 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

05 03 93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale McIntire

Signature

Dale McIntire

Month Day Year

05 03 93

OHD Nº 077723

7-BLS

ORIGINAL — RETURN TO GENERATOR

Nº 077724

Form Approved OMB No. 2050-0039 Expires 6-30-

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7 . 7 . 7 . 2 . 4

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077724

B. State Generator's ID

5. Transporter 1 Company Name

DART TRUCKING CO.

6. US EPA ID Number

O H D 0 0 9 8 6 5 8 2 5

C. State Transporter's ID

D. Transporter's Phone 800-541-8266

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

15. Waste No.

001

DT

44000

P

K141

b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG 31 42,920
21.46 TMAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/03/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

VICTOR A. RENK

Signature

Victor A. Renk

Month Day Year

05/03/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

5/3/93

Nº 077725

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.

7 7 7 2 5

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077725

B. State Generator's ID

5. Transporter 1 Company Name

PART Trucking Co.

6. US EPA ID Number

OHD 009865825

C. State Transporter's ID

D. Transporter's Phone 1-800-541-8206

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

OHD 045243706

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)12. Containers
No. Type

001

DT

13. Total
Quantity

43000

14. Unit
Wt/Vol

P

I. Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCIF GD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

EGR #31

43,700

21.85 T

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 4412716. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/04/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

VICTOR A. RENKO

Signature

Victor A. Renko

Month Day Year

05/04/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

05/04/93

Nº 077726

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Q H D 0 0 4 2 1 8 6 7 3

Manifest Document No. 7.7.7.2.6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077726

B. State Generator's ID

5. Transporter 1 Company Name

Dart Trucking Co. Inc.

6. US EPA ID Number

Q H D 0 0 9 8 6 5 8 2 5

C. State Transporter's ID T104KB OR

D. Transporter's Phone 800-541-8266

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O. H. D. 0. 4. 5. 2. 4. 3. 7. 0. 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001 DT

13. Total Quantity

477.00

14. Unit Wt/Vol

P

Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

5CLFGD 91

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG #31

24.03 T

24-Hr. Emergency Contact 419/691-0016

48 060

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar 10/04/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Douglas R. Chalon

Signature

Douglas R. Chalon 05/04/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding 05/14/93

OHD Nº 077726

ORIGINAL — RETURN TO GENERATOR

Nº 077727

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7.7.7.2.7

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077727

B. State Generator's ID

5. Transporter 1 Company Name

MORROW Bulk Inc

6. US EPA ID Number

O.H.D. 9.8.7.0.2.1.0.2.9

C. State Transporter's ID

D. Transporter's Phone 419-88-6187

7. Transporter 2 Company Name

8. US EPA ID Number

.....

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 0 4 . 5 . 2 . 4 . 3 . 7 . 0 . 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001 DT

13. Total
Quantity

44,700

14. Unit
Wt/Vol

P

15. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

5CLFG D 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG# 31 44,700
2235 T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year
05/04/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charles Smith

Signature

Chl Smith

Month Day Year
05/04/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

J. Harding

Month Day Year
05/04/93

OHD Nº 077727

ORIGINAL — RETURN TO GENERATOR

7-BLS-06

Nº 077728

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Q H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7-7-7-2-8

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077728

B. State Generator's ID

5. Transporter 1 Company Name

morcow BULK Inc.

6. US EPA ID Number

6-H-D-9-8-7-0-2-1-0-2-9

C. State Transporter's ID

D. Transporter's Phone 1-419-886-6187

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

10-H-D-0-4-5-2-4-3-7-0-6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

1. Waste No.

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

42860

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCIF G D 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31 43,360
21.687MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/04/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

CARL Russell

Signature

Carl Russell

Month Day Year

05/04/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

05/04/93

OHD Nº 077728

7-BLS-CF

ORIGINAL — RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Nº 077729

Form Approved OMB No. 2050-0052 Expires 12/31/99

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D O O 4 2 1 8 6 7 3

Manifest Document No. 7.7.7.2.9

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077729

B. State Generator's ID

5. Transporter 1 Company Name

ASAP Technical Services Inc

6. US EPA ID Number

O H D 9 8 7 0 1 8 4 3 9

C. State Transporter's ID

D. Transporter's Phone **216 663-0808**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D O 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No. Type

001 DT

13. Total Quantity

44460

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

**SCLF-G
D81**

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG #31

**22-41T
44820 P**

24-Hr. Emergency Contact 419/691-0016

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/05/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Tim Ahlers

Signature

Tim Ahlers

Month Day Year

05/05/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Rick Brogan

Signature

Rick Brogan

Month Day Year

05/05/93

OHD Nº 077729

7-BLS-G

ORIGINAL — RETURN TO GENERATOR

No 077730

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Q H D O Q 4. 2. 1. 8. 6. 7. 3

Manifest Document No. 7.7.7.3.0

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD No 077730

B. State Generator's ID

5. Transporter 1 Company Name

MORROW Bulk

6. US EPA ID Number

Q H D Q 8. 2. 0. 2. 1. 0. 2. 9

C. State Transporter's ID

D. Transporter's Phone (419) - 836-6187

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D O 4. 5. 2. 4. 3. 7. 0. 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

001

DT

46.150

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

ERG 31 47080P
2354T

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

6/13/09

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charles Smith

Signature

Ch L Smith

Month Day Year

6/13/09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

6/13/09

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JERRY PICKER

Signature

Jerry Picker

Month Day Year

6/13/09

OHD No 077730

ORIGINAL - RETURN TO GENERATOR

7-BLS-C

Nº 077731

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.
7.7.7.3.1

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077731

B. State Generator's ID

5. Transporter 1 Company Name

MORROW DYLK INC

6. US EPA ID Number

O.H.D. 9.5.7.0.2.1.0.1.9

7. Transporter 2 Company Name

P

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D. 0.4.5.2.4.3.7.0.6

C. State Transporter's ID

D. Transporter's Phone 1-419-836-6187

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

1. Waste No.

001

DT

4.426.0

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLFG

D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31 22.22T
44440 P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05 10 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

CARL RUSSELL

Signature

Carl Russell

Month Day Year

05 10 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Rick Brogan

Signature

Rick Brogan

Month Day Year

10 05 93

Nº 077732

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Q H D O O 4 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7 . 7 . 7 . 3 . 2

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

Morrow Bulk Inc.

6. US EPA ID Number

Q H D O 9 8 7 0 2 1 0 2 9

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D O 4 5 2 4 3 7 0 6

A. State Manifest Document Number

OHD Nº 077732

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 419-836-487

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

1. Waste No.

001

DT

40000

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCF-G
D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31 19.87T
39740 P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

Month Day Year

05 05 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Richard A Rodgers

Signature

Month Day Year

05 05 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

05 05 93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Greg Brogan

Signature

Month Day Year

05 05 93

OHD Nº 077732

ORIGINAL — RETURN TO GENERATOR

Nº 077733

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.
7 . 7 . 7 . 3 . 3

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

Morrow Bulk Inc

6. US EPA ID Number

O.H.D.09.870.2.10.39

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

A. State Manifest Document Number

OHD Nº 077733

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 419-836-6187

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001 DT

13. Total
Quantity

4.71.1.0

14. Unit
Wt/Vol

P

I. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLF-G
D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG # 31 47260P
23.63 T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year

05/05/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charles Smith

Signature

Ch Smith

Month Day Year

05/05/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Rick Brown

Signature

Rick Brown

Month Day Year

05/05/93

OHD Nº 077733

7-BLS-C

ORIGINAL — RETURN TO GENERATOR

No 077734

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
Q H D 0 0 4 2 1 8 6 7 3

Manifest Document No.
7 7 7 3 4

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

BERNER Trucking, Inc

6. US EPA ID Number

Q H D 0 0 4 9 3 7 1 6 9 3

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D 0 0 4 5 2 4 3 7 0 6

A. State Manifest Document Number

OHD No 077734

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone (616) 343-5812

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

001

DT

4.5500

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DPH
SCF
aelf

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

22.82J

45640P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05 05 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Craig O Beller

Signature

Craig O Beller

Month Day Year

05 05 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M Porter

Signature

Dale M Porter

Month Day Year

05 05 93

OHD No 077734

7-BLS-C

ORIGINAL — RETURN TO GENERATOR

Nº 077735

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No. 7-7-7-3-5

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077735

B. State Generator's ID

5. Transporter 1 Company Name

BERNER Trucking Inc.

6. US EPA ID Number

O H D 0 0 4 9 3 7 1 6 9 3

C. State Transporter's ID

D. Transporter's Phone (216) 343-5812

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001 DT

13. Total Quantity

4.63.60

14. Unit Wt/Vol

P

I. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SELF G D 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG #31

23.23 T
46,460

24-Hr. Emergency Contact 419/691-0016

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/05/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

ROBERT R. STEWART

Signature

Robert Stewart

Month Day Year

05/05/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

05/05/93

OHD Nº 077735

7-BLS

ORIGINAL - RETURN TO GENERATOR

Nº 077736

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3 7

Manifest Document No.

7 7 7 3 6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

BARNER Trucking Inc

6. US EPA ID Number

O H D 0 4 9 3 7 1 6 9 3

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

A. State Manifest Document Number

OHD Nº 077736

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone (616) 343-5812

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

001

13. Total Quantity

Est. Per

420.00

14. Unit Wt/Vol

P

K141

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar -- Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG #31

23.78 T

24-Hr. Emergency Contact 419/691-0016

47560

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10 5 1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Tim Ellwood

Signature

Tim Ellwood

Month Day Year

10 5 1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

15 9 1993

OHD Nº 077736

7-BLS-C6

ORIGINAL — RETURN TO GENERATOR

Nº 077737

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.
7.7.7.3.7

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077737

B. State Generator's ID

5. Transporter 1 Company Name

DERNER Trucking Inc.

6. US EPA ID Number

OHDO49371693

C. State Transporter's ID

D. Transporter's Phone (216) 343-5812

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

PHDO45243706

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. XX RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

001

13. Total
Quantity

42000

20 PM5

P

14. Unit
Wt/Vol

P

K141

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SC1FG D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG 231

20.05 T

24-Hr. Emergency Contact 419/691-0016

40,100

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year

10.5.05.93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MATTHEW W. MLADEK

Signature

matthew w. mladek

Month Day Year

10.5.05.93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

JH Harding

Month Day Year

10.5.93

OHD Nº 077737

ORIGINAL — RETURN TO GENERATOR

Nº 077739

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No.

7 7 3 9

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

MORROW BULK COMMODITIES, INC. OHD 9 8 7 0 2 1 0 2 9

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

A. State Manifest Document Number

OHD Nº 077739

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 419/836-6187

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

42300

P

K141

b. X RQ, HAZARDOUS WASTE, SOLID, N.O.S.
ORM-E, NA9189 (K062)

004 DM

EST Per Stan Richter - 15
1400 P
200 K062

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil (11.4) ERG #31 39140 19.50

SPENT PICKLE LIQUOR - CONTAMINATED DEBRIS (11.4) 16.5 P 87

K. Handling Codes for Wastes Listed Above

DR1
SCCF
CULG

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

11b. GSN 11637-016

24-Hr. Emergency Contact 419/691-0016

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

S. Rihtar

Signature

Month Day Year

10 5 0 6 19 3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Richard A. Roegner

Signature

Month Day Year

10 5 0 6 19 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10 5 0 6 19 3

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner

Month Day Year

10 5 0 6 19 3

OHD Nº 077739

ORIGINAL — RETURN TO GENERATOR

FEDERAL / OHIO LAND DISPOSAL RESTRICTION NOTIFICATION AND CERTIFICATION FORM

GENERATOR NAME LTV STEEL Co. GSN 11637-016
 USEPA I.D. NO. OH.D.004218673 Manifest Doc. No. 077739
 WASTE DESCRIPTION K062-CONTAMINATED DEBRIS EPA HW #s K062

§ 268.2 Category: ☒ NON- WASTEWATER ☐ WASTEWATER ☐ Subdivision:
 Treatment Standard Path(s): ☒ 40 CFR 268.41(a) (TCLP) ☐ 40 CFR 268.42(a) (TECH) ☐ 40 CFR 268.43(a) (CONC)
☐ OAC 3745-59-41-A ☐ OAC 3745-59-42-A ☐ OAC 3745-59-43-A

The generator named above hereby provides the following NOTIFICATION as required by 40 CFR 268.7 / OAC 3745-59-07 that the waste material being shipped under the above Manifest Document Number is subject to land disposal restrictions:

- A [] § 268.7(a)(1) / OAC 3745-59-07-A-1: The waste does not meet the applicable treatment standards in 40 CFR 268 Subpart D / OAC 3745-59 and/or exceeds the applicable prohibition levels in 40 CFR 268.32 / OAC 3745-59-32 or RCRA § 3004(d) and may not be land disposed until it meets the standards referenced above or on the attached sheet.
- B [] § 268.7(a)(2) / OAC 3745-59-07-A-2: The waste meets the applicable treatment standards in 40 CFR 268 Subpart D / OAC 3745-59 and/or the applicable prohibition levels in 40 CFR 268.32 / OAC 3745-59-32 or RCRA § 3004(d) [California List] and may be land disposed without additional treatment.
- ☒ § 268.7(a)(3) / OAC 3745-59-07-A-3: The waste is subject to a § 268 granted petition, § 268.5 / OAC 3745-59-05 exemption, a § 268.6 / OAC 3745-59-06 extension or a Nationwide Variance under 40 CFR 268, Subpart C or Variance under rules OAC 3745-59-30 to 3745-59-33 and may be land disposed without additional treatment. The waste would otherwise be subject to the treatment standards referenced above or on the attached sheet [per 40 CFR 268 Subpart D / OAC 3745-59 and/or 40 CFR 268.32 / OAC 3745-59-32 or RCRA § 3004(d) [California List]]. The Petition, Exemption, Extension or Variance will remain in effect until the date indicated in the following Notification.

The generator named above hereby provides the following NOTIFICATION and/or CERTIFICATION as required by 40 CFR 268 / OAC 3745-59 that is applicable to the waste material being shipped under the above Manifest Document Number:

- 1 [] This waste is exempt from land disposal restrictions per 40 CFR 268.36 (b) until June 30, 1993 [§268.36 one-year Variance newly listed F037-38 waste]
- 2 [] This waste is exempt from land disposal restrictions per 40 CFR 268.36 (c) or (e) until June 30, 1994 [§268.36 two-year Variance for newly listed waste]
- 3 ☒ This waste is defined as debris in 55 FR 22650 and is subject to a National case-by-case extension of the effective date of regulation and is therefore exempt from land disposal restriction treatment standards in 40 CFR 268.41 through 268.43 per 40 CFR 268.35(e) until May 8, 1993. In order to receive the benefit of this extension, I am required to place certain records in the Operating Record of the facility generating (or treating) the waste by July 8, 1992 or at the time the waste is generated, whichever is later. These records must include a written plan describing how debris waste will be managed, how it will be stored and a schedule describing how adequate treatment capacity will be obtained. The plan must be certified as required by 40 CFR 268.5(b)/OAC 3745-59-05. [Debris National Extension of Effective Date]
- 4 [] This waste is exempt from land disposal restrictions per 40 CFR 268.1 (c)(1) / OAC 3745-59-01-C-1 or 268.1 (c)(2) / OAC 3745-59-01-C-2 until - [40 CFR 268.5/OAC 3745-59-05 Exemption or 268.6/3745-59-06 Extension]
- 5 [] This waste is exempt from land disposal restrictions until _____ per the applicable alternate standards established in a petition granted pursuant to 40 CFR 268.44 / OAC 3745-59-44 [Alternate treatment standards Petition]
- 6 [] This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45. [§268.7(a)(1)(iv) or 268.7(a)(3)(v) Debris; list contaminants]
- 7 [] I certify under penalty of law that the debris has been treated in accordance with the requirements of 40 CFR 268.45. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. [§268.7(d)(2)(ii) rendered non-haz, mark rxn]
- 9 [] § 268.7(b)(5)(ii): I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264, subpart O, or by 40 CFR part 265, subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. [Detection limit alternative for NWW with 40 CFR 268.43 treatment standards]
- 10 [] § 268.7(a)(2)(ii): I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.
- OAC 3745-59-07-A-2-(b): I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in rules 3745-59-40 to 3745-59-44 of the Administrative Code and all applicable prohibitions set forth in rule 3745-59-32 of the Administrative Code or section RCRA 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment. [Meets California and §268 Subpart D LDR standards in present form without additional treatment]
- 11 [] § 268.7(b)(5)(i): I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- OAC 3745-59-07-B-5-(a): I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in rules 3745-59-40 to 3745-59-44 of the Administrative Code and all applicable prohibitions set forth in rule 3745-59-32 of the Administrative Code or RCRA section 3004(d) without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. [Treatment has been performed; waste meets Calif. and §268 Subpart D standards; TCLP or CONC]
- 12 [] § 268.7(b)(5)(ii): I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. Mark Applicable Standard Below:
 p [] DEACT q [] INCN r [] FSUBS s [] RMERC t [] IMERC u [] RLEAD v [] RTHRM w [] RORGS []
 OAC 3745-59-07-B-5-(b): I certify under penalty of law that the waste has been treated in accordance with the requirements of rule 3745-59-42 of the Administrative Code. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment. [Waste has been treated by the required 40 CFR 268.42(a) Technology] m [] EXTRACT n [] DESTRUCT
- 13 [] § 268.7(a)(7): I certify under penalty of law that I have personally examined and am familiar with the waste and that the lab pack contains only wastes specified in Appendix IV to part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment. [Organometallic labpack]
- 14 [] § 268.7(a)(8): I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste and that the lab pack contains only organic waste specified in Appendix V to part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment. [Organic labpack]

92-4

Signature A. Richter Date 5-6-93

Nº 077740

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Q H D O Q 4 2. 1. 8. 6. 7. 3

Manifest Document No. 7. 7. 7. 4. 0

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077740

B. State Generator's ID

5. Transporter 1 Company Name

6. US EPA ID Number

Morrow Bulk Commodities, Inc. OH D 987021 029

C. State Transporter's ID

D. Transporter's Phone (419) 836-6187

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

OH D 045243706

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. X RQ Hazardous Waste, Solid, N.O.S. ORM-E, NA 9189 (K141)	001	DT	440.10	P	K141
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D8 Surf curb

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

21.845
428807

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
05/11/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charles Smith

Signature

Charles Smith

Month Day Year
05/11/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penter

Signature

Dale M. Penter

Month Day Year
05/11/93

OHD Nº 077740

ORIGINAL - RETURN TO GENERATOR

1549

Nº 077741

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No. 1
P. 7. 7. 4. 1

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

ASAP TECHNICAL SERVICES

6. US EPA ID Number

O H 0 9 8 7 0 1 8 4 2 9

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

A. State Manifest Document Number

OHD Nº 077741

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone (216) 663-0808

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001

DT

13. Total
Quantity

4.5870

14. Unit
Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

516D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

21.76T 43520

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year

05/1/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

DAVID M. WHITE

Signature

David M. White

Month Day Year

10/5/1/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10/5/1/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

ERR PICKLE

Signature

ERR PICKLE

Month Day Year

10/5/1/93

OHD Nº 077741

ORIGINAL — RETURN TO GENERATOR

Nº 077742

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

O H D O 0 4 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7 . 7 . 7 . 4 . 2

2. Page 1

of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077742

B. State Generator's ID

5. Transporter 1 Company Name

Buffalo Fuel Corp

6. US EPA ID Number

W.Y.P. 051809952

C. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (716) 773-1921

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.

876 Otter Creek Road

Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.O. 45243706

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)12. Containers
No. Type

001

DT

13. Total
Quantity

46300

14. Unit
Wt/Vol

P

15. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

D81
56 Fuel

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

22.72T
45-440PMAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar 05/11/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Tim Ruck

Signature

Tim Ruck 05/11/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner 05/11/93

OHD Nº 077742

ORIGINAL — RETURN TO GENERATOR

Nº 077743

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D O 0 4 2 1 8 6 7 3

Manifest Document No. 77743

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077743

B. State Generator's ID

5. Transporter 1 Company Name

BEENER Trucking

6. US EPA ID Number

O H D O 4 9 3 7 1 6 9 3

C. State Transporter's ID

D. Transporter's Phone 1-800-346-9634

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

P H D O 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

001

DT

EST. PER STATE RIHTAR TSD

4.000.00

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

**DSL
SELF
WILL**

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG-31

5279T
4558P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year

05/11/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MATTHEW W. Mladick

Signature

Matthew W. Mladick

Month Day Year

05/11/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Portner

Signature

Dale M. Portner

Month Day Year

05/11/93

OHD Nº 077743

ORIGINAL — RETURN TO GENERATOR

Nº 077744

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Q H D O Q 4 2. 1. 8. 6. 7. 3

Manifest
Document No.

7. 7. 7. 4 4

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077744

B. State Generator's ID

5. Transporter 1 Company Name

BUFFALO FUEL Corp.

6. US EPA ID Number

104.D.05.1.8.0.9.9.52

C. State Transporter's ID

D. Transporter's Phone **(714) 773-1921**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

10.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ **RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)**

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

1. Waste No.

001

DT

440.00

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

ELF G D 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

22.6T 45200P

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year
05/11/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Rich Whetsel

Signature

R. M. Whetsel

Month Day Year
05/11/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

ERRY PICKER

Signature

ERRY PICKER

Month Day Year
10/5/93

OHD Nº 077744

ORIGINAL — RETURN TO GENERATOR

Nº 077745

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7 . 7 . 7 . 4 . 5

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077745

B. State Generator's ID

5. Transporter 1 Company Name

BUFFALO FUEL COOP

6. US EPA ID Number

W . Y . D . 0 . 5 . 1 . 8 . 0 . 9 . 9 . 5 . 2

C. State Transporter's ID

D. Transporter's Phone (716) 773-1921

7. Transporter 2 Company Name

8. US EPA ID Number

1

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

P . H . D . 0 . 4 . 5 . 2 . 4 . 3 . 7 . 0 . 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001 DT

13. Total
Quantity

4 . 4 . 7 . 6 . 0

14. Unit
Wt/Vol

P

1. Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCIFGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG#31

45220

2261 T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/1/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Dennis J Clever

Signature

Dennis J Clever

Month Day Year

05/1/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

05/1/1993

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

05/12/1993

OHD Nº 077745

ORIGINAL — RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Nº 077746

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

O H D O 0 4 2 1 8 6 7 3

Manifest
Document No.

7 7 7 4 6

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077746

B. State Generator's ID

5. Transporter 1 Company Name

BUTAL FUEL CORP.

6. US EPA ID Number

OHYD051809952

C. State Transporter's ID

D. Transporter's Phone (716) 773-1921

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D O 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

001

DT

13. Total
Quantity

45.3.00

14. Unit
Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

TRK. # D-165

K. Handling Codes for Wastes Listed Above

DRI
SCF
416

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG #31

2239

24-Hr. Emergency Contact 419/691-0016

447807

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year
05/12/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Peter H. McClusky

Signature

Peter H. McClusky

Month Day Year
05/12/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year
.

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penter

Signature

Dale M. Penter

Month Day Year
05/12/93

OHD Nº 077746

ORIGINAL — RETURN TO GENERATOR

Nº 077747

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O. H. D. 0. 0. 4. 2. 1. 8. 6. 7. 3

Manifest Document No.

7. 7. 7. 4. 7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number

OHD Nº 077747

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone (716) 773-1921

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

ALFALFA FUEL CORP.

6. US EPA ID Number

IN 400.51.8.0.9.95.2

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O. H. D. 0. 4. 5. 2. 4. 3. 7. 0. 6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

4.400.0

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

PH
SCUF
CUL6

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG#31

24-Hr. Emergency Contact 419/691-0016

22.36T
44720P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

A. Rihtar

Month Day Year
10/11/2193

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Rich Whetse

Signature

R. M. Whetse

Month Day Year
10/11/2193

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner

Month Day Year
10/11/2193

OHD Nº 077747

ORIGINAL — RETURN TO GENERATOR

Nº 077748

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Q H D O Q 4.2.1.8.6.7.3

Manifest
Document No.
7.7.7.4.8

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077748

B. State Generator's ID

5. Transporter 1 Company Name

BUTTA LO FUEL COOP

6. US EPA ID Number

WYD.05.180.9952

C. State Transporter's ID

D. Transporter's Phone **(716) 773-1921**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.O.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

1. Waste No.

001

DT

4.5.00.0

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

Self-D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG 31

46660 P.

24-Hr. Emergency Contact 419/691-0016

23.33T

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/12/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

PAUL BERNING

Signature

Paul Berning

Month Day Year

05/12/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

05/12/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

ERRICK

Signature

ERRICK

Month Day Year

05/12/93

OHD Nº 077748

ORIGINAL — RETURN TO GENERATOR

Nº 077751

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No.

7 7 7 5 1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number

OHD Nº 077751

B. State Generator's ID

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

Buffalo Rust Corp.

6. US EPA ID Number

WYD051809952

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

C. State Transporter's ID

D. Transporter's Phone 716-773-1921

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

4.5.6.30

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

OS/GD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31 46600P
23.3T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10 5 1 19 3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Nevin McDaniel

Signature

Nevin McDaniel

Month Day Year
10 5 1 19 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name

ERRY PICKLE

Signature

ERRY PICKLE

Month Day Year
05 11 93

OHD Nº 077751

ORIGINAL — RETURN TO GENERATOR

Nº 077749

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D O O 4 2 1 8 6 7 3

Manifest Document No. 7.7.7.4.9

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077749

B. State Generator's ID

5. Transporter 1 Company Name

marrow Bulk commodities Inc

6. US EPA ID Number

O.H.D. 9.8.7.0.2.1.0.2.9

C. State Transporter's ID

D. Transporter's Phone (419) 836-6187

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D. 0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001

DT

13. Total Quantity

42.680

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLE GD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

42,440 MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/18/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JOSEPH W. T. REHAN

Signature

Joseph W. T. Rehan

Month Day Year

05/18/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

5/18/93

OHD Nº 077749

ORIGINAL — RETURN TO GENERATOR

Nº 077750

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 8 7 3

Manifest Document No. 7-7-750

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number
OHD Nº 077750

B. State Generator's ID

5. Transporter 1 Company Name

6. US EPA ID Number

Morrow Bulk Commodities Inc. OHD 98-7021029

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (419) 836-6187

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone 419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001

DT

13. Total Quantity

42.00

14. Unit Wt/Vol

P

L Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

40,920

20.46

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

Month Day Year

10-5-11-819-3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Richard A. Rodgers

Signature

Month Day Year

10-5-11-819-3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Rich

Signature

Month Day Year

10-5-11-819-3

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

JEFF HARDING

Signature

Month Day Year

10-11-11-819-3

OHD Nº 077750

ORIGINAL - RETURN TO GENERATOR

Nº 077752

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
Q H D 0 0 4 2.1.8.6.7.3

Manifest Document No.
7.7.7.5.2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077752

B. State Generator's ID

5. Transporter 1 Company Name

BUFFALO FUEL CORP.

6. US EPA ID Number

NY.D.0.5.1.8.0.9.9.5.2

C. State Transporter's ID

D. Transporter's Phone **716/773-1921**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

10.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

419/255-5100

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ **RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)**

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

001

DT

43.7.90

P

K141

b.

c.

d.

Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

TRL # D-165

K. Handling Codes for Wastes Listed Above

SCLEGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

46,280

23.14 T

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10.5.10.4.9.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Peter H. McClosky

Signature

Peter H. McClosky

Month Day Year

10.5.10.4.9.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10.5.10.4.9.3

19. Discrepancy Indication Space

7. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

15.15.03

ORIGINAL — RETURN TO GENERATOR

OHD Nº 077752

Nº 077753

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No. 7.7.7.5.3

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077753

B. State Generator's ID

5. Transporter 1 Company Name

Morrow Bulk Inc

6. US EPA ID Number

OHD 987621019

C. State Transporter's ID

D. Transporter's Phone *1-419-*

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

P H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

HW

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

42,500

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCIFGD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #3/ 42,160
21085

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

[Signature]

Month Day Year

05/04/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Richard Rogers

Signature

[Signature]

Month Day Year

05/04/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

[Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

[Signature]

Month Day Year

05/04/93

OHD Nº 077753

ORIGINAL - RETURN TO GENERATOR

Nº 077755

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 8 7 3

Manifest Document No.

7 7 7 5 5

2. Page 1

of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077755

B. State Generator's ID

5. Transporter 1 Company Name

BERNER Trucking Inc

6. US EPA ID Number

OH 0049371693

C. State Transporter's ID

D. Transporter's Phone 1-800-346-7634

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

L Waste No.

001

DT

EST

468.00

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

El/GD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

46580P. ERG #31

23.29T

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10.5.1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

DEAN BRIDENBAUGH

Signature

Dean Bridenbaugh

Month Day Year

10.5.1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10.5.1993

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

DEK RICKS

Signature

DEK RICKS

Month Day Year

10.5.1993

OHD Nº 077755

ORIGINAL - RETURN TO GENERATOR

Nº 077756

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2.1.8.6.7.3

Manifest Document No.

7.7.7.5.6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077756

B. State Generator's ID

5. Transporter 1 Company Name

BERNER Trucking Inc.

6. US EPA ID Number

O.H.D.0.49.3.7.1.69.3

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001 DT

13. Total Quantity

EST 4.6000

14. Unit Wt/Vol

P

1. Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

Self GD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG 31

22.51T 45020P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/12/19.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Richard K Rohn

Signature

Richard K Rohn

Month Day Year

10/5/12/19.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

ERRY PICKER

Signature

Month Day Year

05/12/19.3

OHD Nº 077756

ORIGINAL — RETURN TO GENERATOR

Nº 077757

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 8 7 3

Manifest Document No.

7 7 7 5 7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-8370

A. State Manifest Document Number

OHD Nº 077757

B. State Generator's ID

5. Transporter 1 Company Name

BERNER Trucking Inc

6. US EPA ID Number

O.H.P.0493.71693

C. State Transporter's ID

D. Transporter's Phone / - 300-3967634

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001

DT

13. Total Quantity

EST
47000

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DP Self clean G

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG 431

23.70
474507

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/21/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Tim Ellwood

Signature

Tim Ellwood

Month Day Year

10/5/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Perdue

Signature

Dale M. P

Public Reporting Requirements under the Resource Conservation and Recovery Act (RCRA) are being phased out. For information on the new requirements, see EPA Form 8700-22 (Rev. 1-87) or contact the Office of the Regional Administrator, Washington, DC 20460.

ORIGINAL — RETURN TO

Nº 077758

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 . 1 . 8 . 6 . 7 . 3

Manifest Document No.
7-7-7-5-8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077758

B. State Generator's ID

5. Transporter 1 Company Name

BEENER Trucking Inc.

6. US EPA ID Number

O H D 0 0 4 9 . 3 . 7 . 1 . 6 . 9 . 3

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone / 800-346-9634

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 0 4 5 . 2 . 4 . 3 . 7 . 0 . 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001

DT

13. Total Quantity

48.000

14. Unit Wt/Vol

P

15. Waste No.

K141

GENERATOR

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #1 3/24.06
48/20P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/5/21/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Y RODGER STEWART

Signature

Y Rodger Stewart

Month Day Year

10/5/21/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

1

Signature

Month Day Year

10/5/21/93

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penter

Signature

Dale M. Penter

Month Day Year

10/5/21/93

OHD Nº 077758

ORIGINAL — RETURN TO GENERATOR

Nº 077759

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.
7-7-7-5-9

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077759

B. State Generator's ID

5. Transporter 1 Company Name

BERNGER Trucking Inc

6. US EPA ID Number

O.H.D. 049371.693

C. State Transporter's ID

D. Transporter's Phone **1-800-346-9634**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D. 045243.706

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001

DT

13. Total
Quantity

Est. 400.00

14. Unit
Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG# 31

**22.82T
45740P**

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
10/5/21/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MATTHEW W. MLADER

Signature

Matthew W. Mlader

Month Day Year
10/5/21/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

Weight estimated per S. Rihtar. DNE 5/24/93

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penton

Signature

Dale M. Penton

Month Day Year
10/5/21/93

OHD Nº 077759

ORIGINAL — RETURN TO GENERATOR

Nº 077760

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Q H D O 0 4 . 2 . 1 . 8 . 6 . 7 . 3

Manifest Document No.
7 . 7 . 7 . 6 . 0

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number

OHD Nº 077760

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone **419-836-6189**

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (**216**) **429-6370**

5. Transporter 1 Company Name

6. US EPA ID Number

Morrow Bulk Commodities INC **Q.H.D.O.9.8.7.0.2.1.0.2.9**

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q.H.D.O.4.5.2.4.3.7.0.6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. ☒ **RQ Hazardous Waste, Solid, N.O.S.**
ORM-E, NA 9189 (K141)

001

DT

4.5660

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

Self-G-D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

ERG #31

24-Hr. Emergency Contact 419/691-0016

23T 46000P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10-5-2-19-3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charles Smith

Signature

Ch L Smith

Month Day Year

10-5-2-19-3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10-5-2-19-3

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

DEEPT PCKE

Signature

DEEPT PCKE

Month Day Year

10-5-2-19-3

OHD Nº 077760

ORIGINAL — RETURN TO GENERATOR

Nº 077761

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Q H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.
7-7-7-6-1

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

A. State Manifest Document Number

OHD Nº 077761

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 1-800-346-9684

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

BERNER Trucking Inc

6. US EPA ID Number

011-0-049-371-693

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0 H D 0 4 5 2 4 3 7 0 6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

001

DT

13. Total
Quantity

4.650.0

14. Unit
Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

P81
Scrub

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG#31

23.59T

47/80P

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/2/1993

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Jerry F. Goehring

Signature

Jerry F. Goehring

Month Day Year

05/2/1993

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

05/2/1993

19. Discrepancy Indication Space

1-Tons of K141 added for free liquid 24.59T.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale Rihtar

Signature

Dale Rihtar

Month Day Year

05/2/1993

OHD Nº 077761

ORIGINAL — RETURN TO GENERATOR

Nº 077762

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D O 0 4 2 1 8 6 7 3

Manifest Document No.

7 7 7 6 2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number

OHD Nº 077762

B. State Generator's ID

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

BUFFALO FUEL CORP

6. US EPA ID Number

WYDOS 130 8952

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D O 4 5 2 4 3 7 0 6

C. State Transporter's ID

D. Transporter's Phone (716) 773-1921

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No.

001

Type

DT

13. Total Quantity

EST

46180

14. Unit Wt/Vol

P

L Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

9CLFGD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

83.23 T

464160

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/18/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

KEVIN WASKIEWICZ

Signature

Ken Waskiewicz

Month Day Year

05/18/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

05/18/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

5/19/93

OHD Nº 077762

ORIGINAL — RETURN TO GENERATOR

Nº 077763

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.

7 . 7 . 7 . 6 . 3

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077763

B. State Generator's ID

5. Transporter 1 Company Name

BYPALO FUEL CORP.

6. US EPA ID Number

WY40051809952

C. State Transporter's ID

D. Transporter's Phone (716) 773-1921

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

1. Waste No.

001

DT

EST
43.700

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLE G D B1

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG#31

42,840

2142 T

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/18/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Jeff Goodale

Signature

Jeff Goodale

Month Day Year

05/18/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HANDINS

Signature

Jeff Handins

Month Day Year

5/19/93

OHD Nº 077763

ORIGINAL — RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Nº 077764

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.

7 7 7 6 4

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077764

B. State Generator's ID

5. Transporter 1 Company Name

BUTTA LO FUEL CORP.

6. US EPA ID Number

NY 0051809952

C. State Transporter's ID

D. Transporter's Phone (716) 773-1921

7. Transporter 2 Company Name

8. US EPA ID Number

.....

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001 DT

13. Total
Quantity

EST
47000

14. Unit
Wt/Val

P

1. Waste No.

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

PSL
SCF
CUB

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG#3/23.56T
47120P

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/11/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

SETA MC CLYMONOS

Signature

Seta A. McClymonds

Month Day Year

05/18/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Dale M. Pentner

Signature

Dale M. Pentner

Month Day Year

05/18/93

OHD Nº 077764

ORIGINAL — RETURN TO GENERATOR

Nº 077765

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.

7 7 7 6 5

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077765

B. State Generator's ID

5. Transporter 1 Company Name

BERNER TRUCKING

6. US EPA ID Number

O.H.D. 0 4 9 3 7 1 6 9 3

C. State Transporter's ID

D. Transporter's Phone 1-800-346-9634

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O.H.D. 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

15. Waste No.

001

DT

EST. PMS
23.5 P
47500

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCIFGD B1

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG # 3148260
24.13 TMAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/18/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Tim Ellwood

Signature

Tim Ellwood

Month Day Year

05/18/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

- - -

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

05/18/93

OHD Nº 077765

ORIGINAL - RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FAC

ITY

Nº 077766

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.
7 7 7 6 6

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077766

B. State Generator's ID

5. Transporter 1 Company Name

BERNER Trucking

6. US EPA ID Number

OH A049371693

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 4 5 2 4 3 7 0 6

C. State Transporter's ID

D. Transporter's Phone 1-800-346-9634

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001 DT

13. Total
Quantity

EST
480.00

14. Unit
Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLF-G
D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

24.46 T

48920 P

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05/27/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MATTHEW W. MLADEK

Signature

Matthew W. Mladek

Month Day Year

05/27/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Rick Brogan

Signature

Rick Brogan

Month Day Year

05/27/93

OHD Nº 077766

ORIGINAL — RETURN TO GENERATOR

Nº 077767

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Q H D 0 0 4 2 1 8 6 7 3

Manifest Document No.
7 7 7 6 7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077767

B. State Generator's ID

5. Transporter 1 Company Name

BERNER Trucking Inc

6. US EPA ID Number

Q.H.D.0.4.9.3.7.1.6.9.3

C. State Transporter's ID

D. Transporter's Phone/1-800-346-9634

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

EST
44000

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

Self-G-D81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31

470201

2351T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year
05 12 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Jim Wunderle

Signature

Jim Wunderle

Month Day Year
05 12 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

ERRY PICKLE

Signature

ERRY PICKLE

Month Day Year
05 12 93

OHD Nº 077767

ORIGINAL — RETURN TO GENERATOR

Nº 077768

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No.

7.7.7.6.8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077768

B. State Generator's ID

5. Transporter 1 Company Name

Buffalo Fuel Corp.

6. US EPA ID Number

14Y.D0.5.1.8.0.9.9.52

C. State Transporter's ID

D. Transporter's Phone (714) 773-1921

7. Transporter 2 Company Name

8. US EPA ID Number

1.

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

10.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers No. Type

001 DT

13. Total Quantity

EST
4.2000

14. Unit Wt/Vol

P

1. Waste No.

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31 42,220

ALLIIT

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10.5.1.8.19.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Keith Carlson

Signature

Keith Carlson

Month Day Year

10.5.1.8.19.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HANDING

Signature

Jeff Handing

Month Day Year

10.11.8.19.3

OHD Nº 077768

ORIGINAL — RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Nº 077769

Ohio EPA 22

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 8 7 3

Manifest
Document No.

7 7 7 6 9

2. Page 1
of 1Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077769

B. State Generator's ID

5. Transporter 1 Company Name

BERNER Trucking Inc

6. US EPA ID Number

OH-DO-4-9-3-7-1-6-9-3

C. State Transporter's ID

D. Transporter's Phone 1-800-346-7634

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

O H D 0 0 4 5 2 4 3 7 0 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

15. Waste No.

001

DT

EST
4.6100

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ER6 #3146220P
23.11TMAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

05 12 7 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

WILLIAM BRANDYBERRY

Signature

William Brandyberry

Month Day Year

05 12 7 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

J. BO.

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

JERRY PICKLE

Signature

JERRY PICKLE

Month Day Year

10 05 27 93

OHD Nº 077769

ORIGINAL — RETURN TO GENERATOR

Nº 077770

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest Document No. 7.7.7.7.0

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number

OHD Nº 077770

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 1-800-346-9634

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

419/255-5100

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name

BERNER Trucking Inc.

6. US EPA ID Number

0.H.D.04.9.37.1.6.93

8. US EPA ID Number

10. US EPA ID Number

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. H. D. 0. 4. 5. 2. 4. 3. 7. 0. 6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

EST
4.7500

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

ERG #31 48620P
24.31T
MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10/5/27/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Tim Ellwood

Signature

Tim Ellwood

Month Day Year

10/5/27/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name

ERRICK

Signature

ERRICK

Month Day Year

10/5/27/93

OHD Nº 077770

ORIGINAL — RETURN TO GENERATOR

Nº 077772

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

O H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.
7.7.7.7.2

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077772

B. State Generator's ID

5. Transporter 1 Company Name

BERNER Trucking Inc.

6. US EPA ID Number

04.0049.371693

C. State Transporter's ID

D. Transporter's Phone **1-800-346-9634**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

0. H. D. 0. 4. 5. 2. 4. 3. 7. 0. 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

1. Waste No.

001

DT

46.000

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

**DRI
SUF
all**

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

**46520P
23-26T**

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

06/02/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

William E Brandyberry

Signature

William E. Brandyberry

Month Day Year

06/02/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

06/02/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale McPentner

Signature

Dale McPentner

Month Day Year

06/03/93

OHD Nº 077772

ORIGINAL — RETURN TO GENERATOR

Nº 077773

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Q H D 0 0 4 2 1 8 6 7 3

Manifest
Document No.

7.7.7.7.3

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077773

B. State Generator's ID

5. Transporter 1 Company Name

BEFNER Trucking Inc

6. US EPA ID Number

10.H.00.4.9.3.7.1.6.9.3

C. State Transporter's ID

D. Transporter's Phone **1800-346-9634**

7. Transporter 2 Company Name

8. US EPA ID Number

.....

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

10.H.D.0.4.5.2.4.3.7.0.6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

15. Waste No.

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

EST
47.000

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

SCLEGD 81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31 49420

22.71T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10.6.0.3.19.3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Bob ICKES

Signature

Bob Ickes

Month Day Year

10.6.0.3.19.3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JEFF HARDING

Signature

Jeff Harding

Month Day Year

16.13.93

OHD Nº 077773

ORIGINAL — RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Nº 077774

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Q H D 0 0 4 2 . 1 . 8 . 6 . 7 . 3

Manifest
Document No.
7 . 7 . 7 . 7 . 4

2. Page 1
of 1

Information in the shaded areas is
not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number

OHD Nº 077774

B. State Generator's ID

5. Transporter 1 Company Name

DERNER TRUCKING INC

6. US EPA ID Number

Q H D 0 4 9 . 3 7 1 . 6 9 3

7. Transporter 2 Company Name

8. US EPA ID Number

.....

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D 0 4 5 . 2 4 3 . 7 0 6

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone **1 8 0 0 - 3 4 6 - 9 6 3 4**

G. State Facility's ID

H. Facility's Phone **4 1 9 / 2 5 5 - 5 1 0 0**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. ☒ RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

1. Waste No.

001

DT

**EST
460.00**

P

K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

Self GD81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

**ERG * 31 46440 P.
23.22T**

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

0 6 / 1 5 / 9 3

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Jim Wunderle

Signature

Jim Wunderle

Month Day Year

0 6 / 1 5 / 9 3

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JERRY PICKLE

Signature

Jerry Pickle

Month Day Year

0 6 / 1 5 / 9 3

OHD Nº 077774

ORIGINAL — RETURN TO GENERATOR

GENERATOR

TRANSPORTER

FACILITY

Nº 077775

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
O H D 0 0 4 2 . 1 . 8 . 6 . 7 . 3

Manifest Document No.
7 . 7 . 7 . 7 . 5

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number
OHD Nº 077775

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone **1-800-346-9634**

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone
419/255-5100

3. Generator's Name and Mailing Address
LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

5. Transporter 1 Company Name
BERNER Trucking Inc.

6. US EPA ID Number
6.H.P.04.9.3.7.1.6.9.3

8. US EPA ID Number

7. Transporter 2 Company Name

10. US EPA ID Number

9. Designated Facility Name and Site Address
Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

O H D 0 4 5 . 2 . 4 . 3 . 7 . 0 . 6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. ☒ X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

001

DT

EST 30.000

P

K141

b.

c.

d.

J. Additional Descriptions for Materials Listed Above
Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

GP81

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr. Emergency Contact 419/691-0016

ERG #31 322607

16.13T

MAIL COMPLETED FORM TO:
LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

10.6.1.983

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

William Brandyberry

Signature

William Brandyberry

Month Day Year

10.6.1.5.93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

10.6.1.5.93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

JERRY PICKLE

Signature

Jerry Pickle

Month Day Year

10.6.1.5.93

OHD Nº 077775

ORIGINAL — RETURN TO GENERATOR

Nº 077777

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Q H D 0 0 4 2 . 1 . 8 . 6 . 7 . 3

Manifest Document No.
7.7.7.7.7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

LTV STEEL CO. ENV. CONTROL DEPT.
3100 EAST 45th STREET
CLEVELAND, OHIO 44127

4. Generator's Phone (216) 429-6370

A. State Manifest Document Number -

OHD Nº 077777

B. State Generator's ID

5. Transporter 1 Company Name

Chem freight

6. US EPA ID Number

Q H D 0 0 4 2 . 1 . 8 . 6 . 7 . 3

C. State Transporter's ID

D. Transporter's Phone **216-786-1001**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

Envirosafe Services of Ohio, Inc.
876 Otter Creek Road
Oregon, Ohio 43616

10. US EPA ID Number

Q H D 0 0 4 5 . 2 . 4 . 3 . 7 . 0 . 6

G. State Facility's ID

H. Facility's Phone

419/255-5100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

a. X RQ Hazardous Waste, Solid, N.O.S.
ORM-E, NA 9189 (K141)

12. Containers
No. Type

001 **DRUM**
EST
1.4580

13. Total Quantity

14. Unit Wt/Vol

P

1. Waste No.
K141

J. Additional Descriptions for Materials Listed Above

Coal Tar - Contaminated Soil

K. Handling Codes for Wastes Listed Above

DRUM
SCF
all

15. Special Handling Instructions and Additional Information

11a. GSN 11637-012

24-Hr..Emergency Contact 419/691-0016

ERG #31

7.5V
15-14-P

MAIL COMPLETED FORM TO:

LTV STEEL
ENVIRONMENTAL CONTROL DEPT.
3100 EAST 45th Street
CLEVELAND, OHIO 44127

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Printed/Typed Name

S. Rihtar

Signature

S. Rihtar

Month Day Year

06/16/93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Jeffrey R. Clyburn Sr.

Signature

Jeffrey R. Clyburn Sr.

Month Day Year

06/16/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

06/16/93

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Dale M. Penter

Signature

Dale M. Penter

Month Day Year

06/21/93

OHD Nº 077777

ORIGINAL — RETURN TO GENERATOR